

10040851 12301

**Customer Order Input**

File Edit View

General Related Info

Required fields are checked

Customer Order ID: 11047

Customer: Eastern Connection ✓

Sales Person: King, Robert ✓

Order Date: 04/24/1998

Shipped Date: 05/01/1998

Shipper: Federal

Freight: \$46.62

Shipping Address: Address

City: L

Region: 19 20 21 22 23 24 25

Postal: 26 27 28 29 30

Country:

Today None

OK Cancel

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

FIG. 1

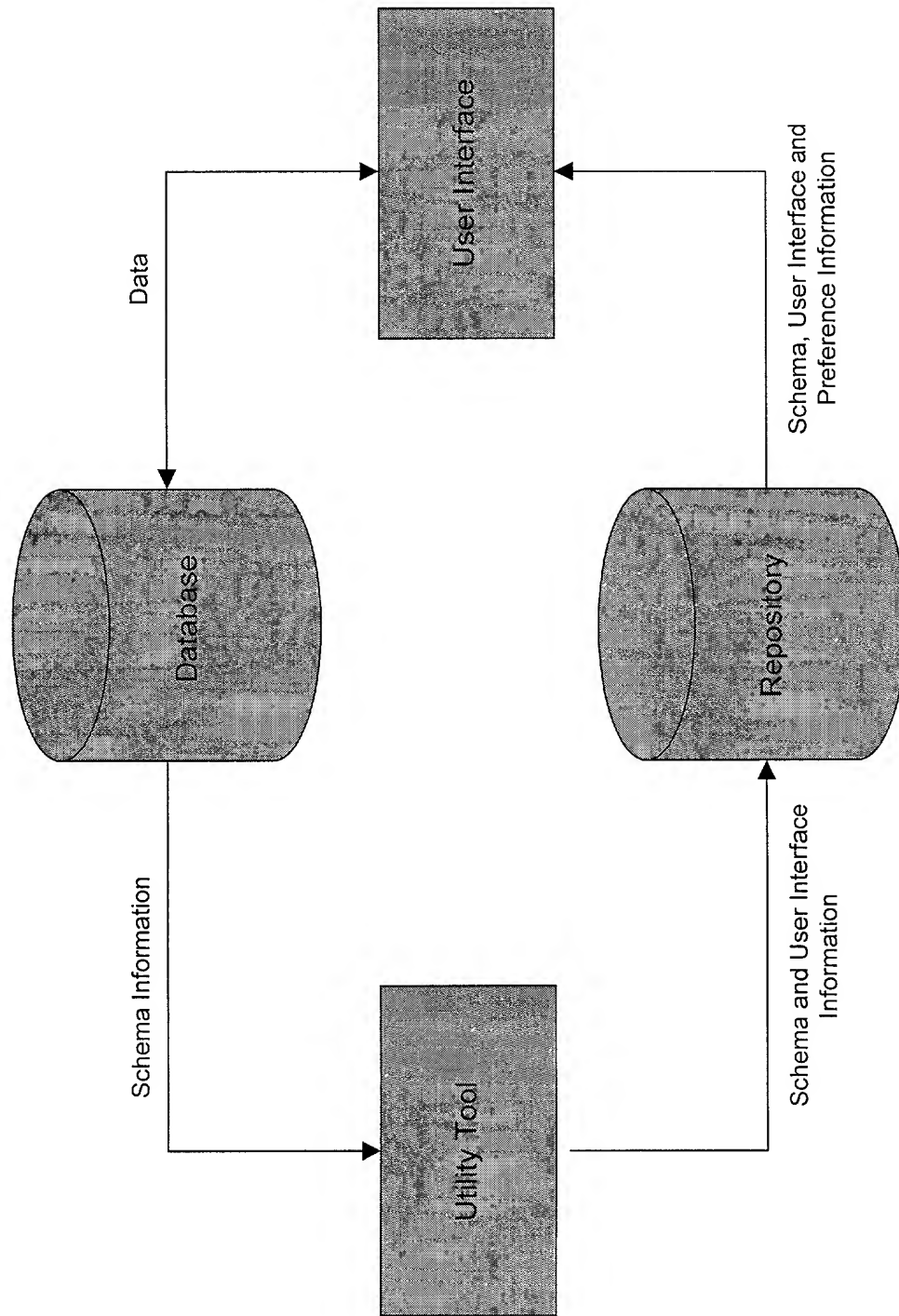


FIG. 2

# **Relational Database Normalization**

## **The First 4 Normal Forms**

### **1<sup>st</sup> Normal Form**

**Practical Rule:** Eliminate Repeating Groups: Make a separate table for each set of related attributes, and give each table a primary key.

**Formal Definition:** A relation is in first normal form (1NF) if and only if all underlying simple domains contain atomic values only.

### **2nd Normal Form**

**Practical Rule:** Eliminate Redundant Data: If an attribute depends on only part of a multi-valued key, remove it to a separate table.

**Formal Definition:** A relation is in second normal form (2NF) if and only if it is in 1NF and every non-key attribute is fully dependent on the primary key.

### **3rd Normal Form**

**Practical Rule:** Eliminate Fields Not Dependent On Key: If attributes do not contribute to a description of a key, remove them to a separate table.

**Formal Definition:** A relation is in third normal form (3NF) if and only if it is in 2NF and every non-key attribute is non-transitively dependent on the primary key.

### **4th Normal Form**

**Practical Rule:** Isolate Independent Multiple Relationships: No table may contain two or more one-to-many or many-to-many relationships that are not directly related.

**Formal Definition:** A relation R is in fourth normal form (4NF) if and only if, whenever there exists a multi-valued dependency in the R, say B depends on A, then all attributes of R are also functionally dependent on A.

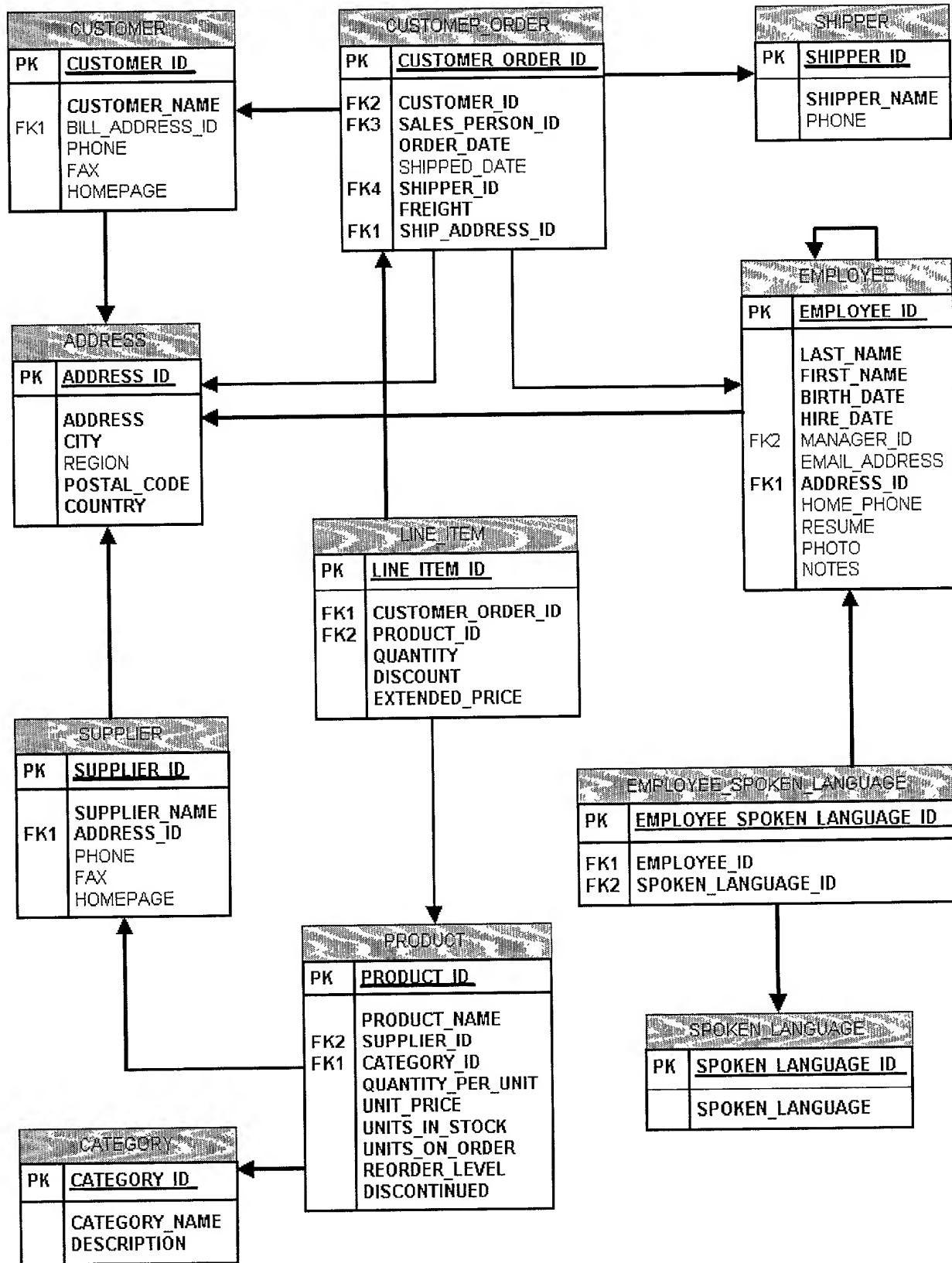


FIG. 4



**Customer Orders**

File Tools Window Help

View **Customer Order**

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Search:

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	01
Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	Br
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	Fe
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	Fe
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	Fe
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	24
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	24
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58	24

Record: 1 of 67

Line Item	CustomerName	OrderNumber	ProductName	UnitPrice	Quantity	Discount	ExtendedPrice
Customer	Alfreds Futterkiste	10643	Chartreuse verte	\$18.00	21	0.25	\$283.50
Sales Person	Alfreds Futterkiste	10643	Rössle Sauerkraut	\$45.60	15	0.25	\$513.00
	Alfreds Futterkiste	10643	Spegesild	\$12.00	2	0.25	\$18.00

Record: 1 of 3

Found: 67

FIG. 5

**Customer Orders**

File Tools Window Help

View **Customer Order**

You may search on any column with an eyeglass icon. To select all records, type the wildcard "\*".

Search:

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	
Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58	

Record: 1 of 67

Line Item	CustomerName	BillAddress	BillCity	BillRegion	BillPostalCode	BillCountry	PhoneNumber
Customer	Alfreds Futterkiste	Obere Str. 57	Berlin		12209	Germany	030-0074321
Sales Person							

Record: 1 of 1

Found: 67

FIG. 6



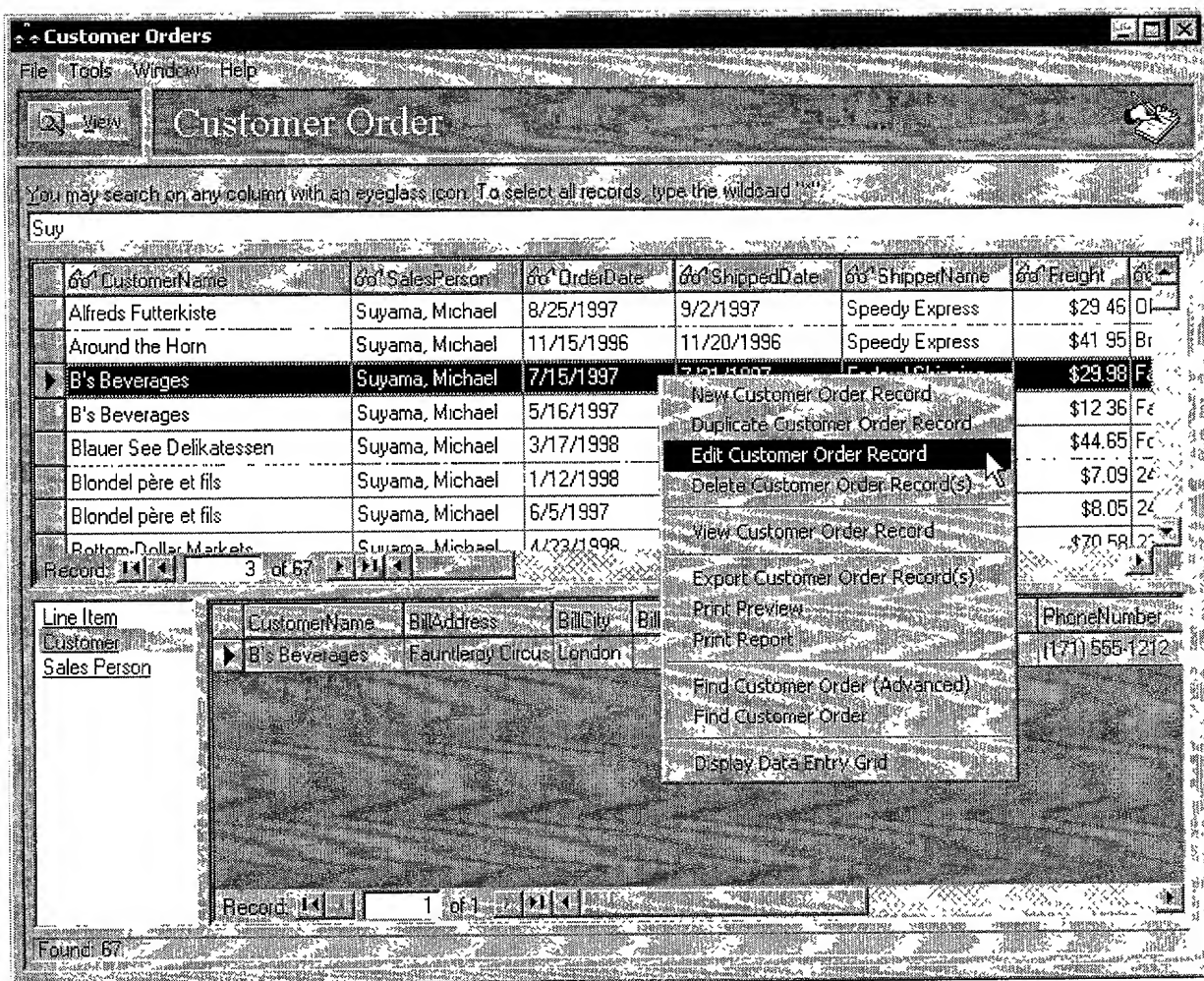


FIG. 8



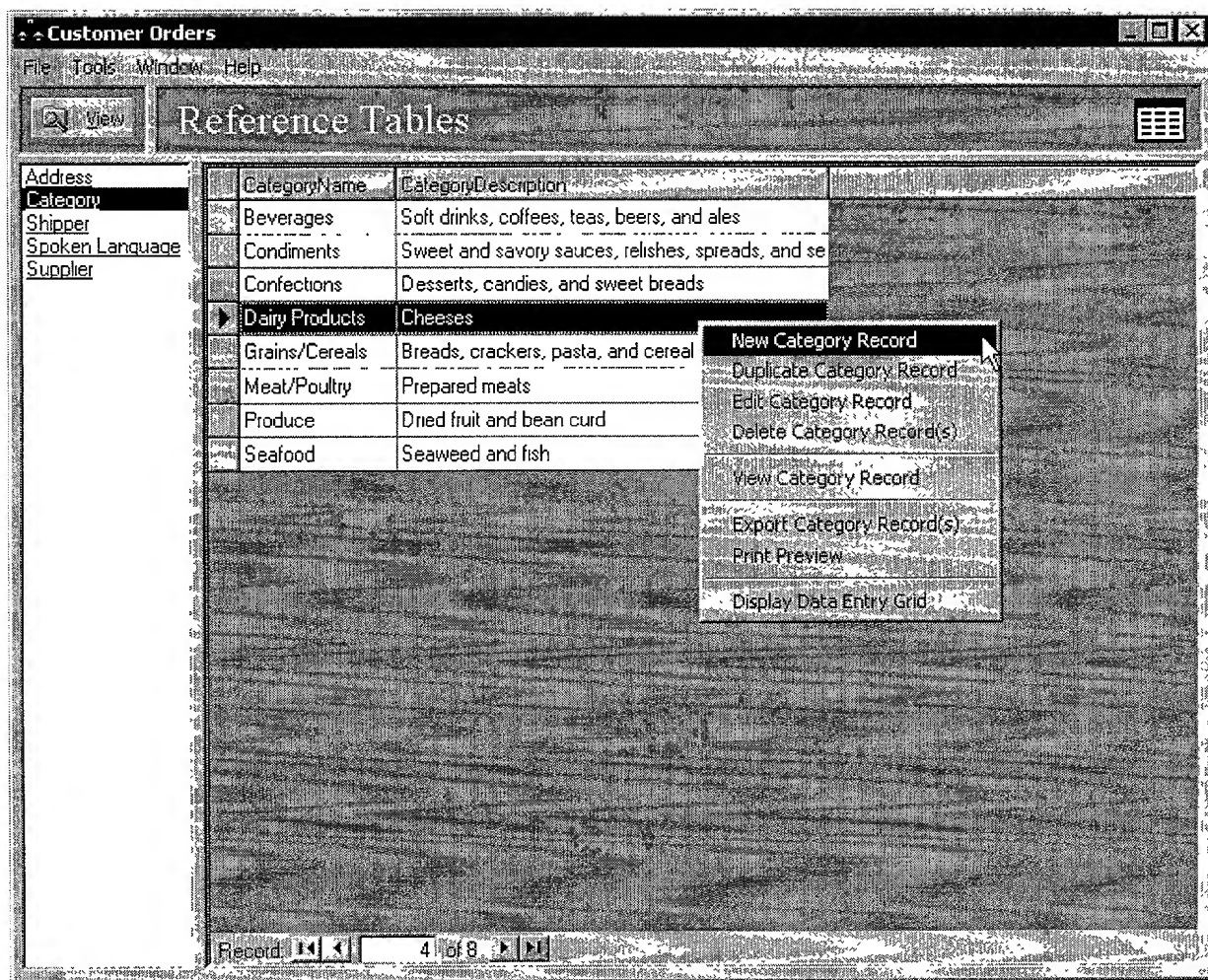


FIG. 9

**Customer Orders**

File Tools Window Help

Customer Order

1. Customer  
2. Customer Order  
3. Employee  
4. Product

Reference Tables

Alfreds Futterkiste  
Around the Horn  
B's Beverages  
B's Beverages  
Blauer See Delikatessen  
Blondel père et fils  
Blondel père et fils  
Bottom-Dollar Markets

id	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	id
	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	01
	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	02
	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	03
	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	04
	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	05
	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	06
	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	07
	Suyama, Michael	4/23/1998		United Package	\$70.58	08

Record: 3 of 67

Line Item  
Customer  
Sales Person

CustomerName	BillAddress	BillCity	BillRegion	BillPostalCode	BillCountry	PhoneNumber
B's Beverages	Fauntleroy Circus	London		EC2 5NT	UK	(171) 555-1212

Record: 1 of 1

Found: 67

FIG. 10

Customer Orders

File Tools Window Help

View

Customer Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard '\*'

Sup

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46
Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.50

Line Item

Customer Sales Person

Record: 1 of 67

1 of 3

CustomerName

OrderNumber

ProductName

Alfreds Futterkiste	10643	Chai
Alfreds Futterkiste	10643	Rössli
Alfreds Futterkiste	10643	Spege

New Line Item Record

Duplicate Line Item Record

Edit Line Item Record

Delete Line Item Record(s)

Link the Selected Line Item Record(s) with a Different Customer Order Record

Unlink the Selected Line Item Record(s) from the Customer Order Record

View Line Item Record

Export Line Item Record(s)

Print Preview

Filter Line Item Records

Promote Line Item

Display Data Entry Grid

FIG. 11



Customer Orders

File Tools Window Help

View

Customer Order

You may search on any column with an eye-glass icon. To select all records, type the wildcard \*

Sup

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight
Alfreds Futterkiste	Suyama, Michael	8/25/1997	8/27/1997	Speedy Express	\$29.46
Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.59

Record 1 of 87

Bottom-Dollar Markets

Line Item

Customer

Sales Person

CustomerName

BillAddress

CustomerName

BillAddress

BillCity

BillRegion

BillPostalCode

BillCountry

Phone Number

Alfreds Futterkiste

Obere Str. 57

Berlin

12209

Germany

030-0074321

New Customer Record

Duplicate Customer Record

Edit Customer Record

Delete Customer Record(s)

Link the Customer Order Record with a Different Customer Record

Unlink the Customer Order Record from the Selected Customer Record

New Customer Record

Export Customer Record(s)

Print Preview

Promote Customer

Display Data Entry Grid

Record 1 of 1

Found 67

FIG. 12



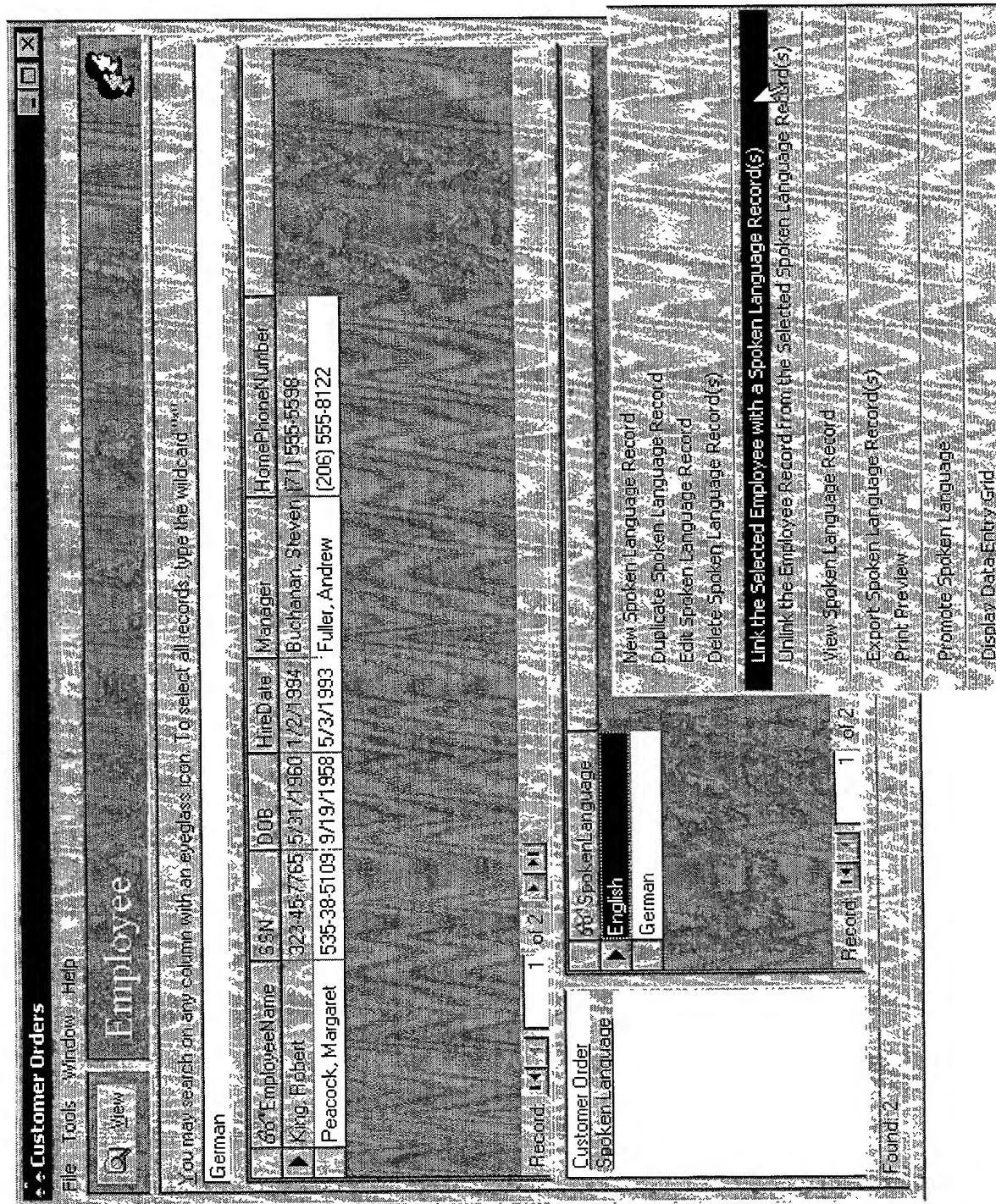


FIG. 13

Customer Orders

File Tools Window Help

Customer Order

View

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*.

Search

Find

CustomerName	SalesPerson	OrderDate	ShippedDate	ShippedName	Freight
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46
▶ Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58

Record: 1 of 67

2 of 67

Line Item

Customer

Sales Person

CustomerName

Quantity

Product Name

Unit Price

Quantity

Discount

Extended Price

▶ Around the Horn

1

10355 Guaraná Fantástica

\$4.50

25

0

\$90.00

Record: 1 of 2

1 of 2

New Line Item Record

Duplicate Line Item Record

Edit Line Item Record

Delete Line Item Record(s)

Link the Selected Line Item Record(s) with a Different Customer Order Record

Unlink the Selected Line Item Record(s) from the Customer Order Record

View Line Item Record

Export Line Item Record(s)

Print Preview

Filter Line Item Records

Promote Line Item

Display Data Entry Grid

FIG. 14

10040351-122801

**Line Item Input - [New Record]**

File Edit View

General Related Info

Required fields are checked.

Line Item ID:	New Record	
Customer Order:	CustomerName: Around the Horn	
	OrderDate: 11/15/1996	
	SalesPerson: Suyama, Michael	✓
	OrderNumber: 10355	
Product:	<b>Boston Crab Meat</b>	✓
Unit Price:	\$18.40	
Quantity:	5	✓
Discount:	0	✓
Extended Price:	\$92.00	

OK Cancel

FIG. 15



**Customer Orders**

File Tools Window Help

view Customer Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Suy

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	OL
▶ Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.98	Br
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	Fe
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	Fe
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	Fe
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	24
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	24
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58	24

Record: 2 of 67

Line Item	CustomerName	OrderNumber	ProductName	UnitPrice	Quantity	Discount	ExtendedPrice
Customer	▶ Around the Horn	10355	Boston Crab Meat	\$18.40	5	0	\$92.00
Sales Person	Around the Horn	10355	Guaraná Fantástica	\$4.50	25	0	\$90.00
	Around the Horn	10355	Ravioli Angelo	\$19.50	25	0	\$390.00

Record: 1 of 3

Found: 67

FIG. 16

Customer Orders

File Tools Window Help

Customer Order

View

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Suy

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46
▶ Around the Horn	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05
Bottom-Dollar Markets	Suyama, Michael	4/23/1999		United Package	\$70.59

Bottom-Dollar Markets 2 of 67

Line Item

Customer

Sales Person

Record 1 of 1

CustomerName

BillAddress

BillCity

BillRegion

BillPostalCode

BillCountry

Phone Number

▶ Around the Horn

120 Hanover Sq, London

WA1 1DP

UK

(171) 555-7788

New Customer Record

Duplicate Customer Record

Edit Customer Record

Delete Customer Record(s)

Link the Customer Order Record with a Different Customer Record

Unlink the Customer Order Record from the Selected Customer Record

View Customer Record

Export Customer Record(s)

Print Preview

Promote Customer

Display Data Entry Grid

Record 1 of 1

Found: 67

FIG. 17

**Customer Input - [New Record]**

File Edit View

General Customer Order

Required fields are checked.

Customer ID:	New Record	
Customer Name:	ACME Grocery	✓
Billing Address:	Address: 2810 Milton Dr	
	City, Albuquerque	
	Region NM	✓
	PostalCode 87110	
	Country USA	
Phone:	505-797-2807	
Fax:	505-797-2936	
Homepage:	www.acmegrocery.com	

OK Cancel

FIG. 18

**Customer Orders**

File Tools Window Help

VIEW Customer Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Suy

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	B
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	O
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	F
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	F
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	F
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	2
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	2
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58	2

Record: 1 of 67

Line Item	CustomerName	BillAddress	BillCity	BillRegion	BillPostalCode	BillCountry	PhoneNumber
Customer	ACME Grocery	2810 Milon Dr.	Albuquerque	NM	87110	USA	505-797-2807
Sales Person							

Record: 1 of 1

Found: 67

FIG. 19



Customer Orders

File Tools Window Help

Employee

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

EmployeeName	SSN	DDB	HireDate	Manager	HomePhoneNumber
Buchanan, Steven	485-12-3288	3/4/1955	10/17/1993	Fuller, Andrew	(71) 555-4848
Callahan, Laura	343-22-8765	1/9/1958	3/5/1994	Fuller, Andrew	(206) 555-1189
Devolio, Nancy	385-11-4562	12/8/1968	5/1/1992	Fuller, Andrew	(206) 555-9957
Dodsworth, Anne	535-78-5108	7/2/1969	11/15/1994	Buchanan, Steven	(71) 555-4444
Fuller, Andrew	555-76-2287	2/19/1952	8/14/1992		(206) 555-9482
King, Robert	323-45-7765	5/31/1960	1/2/1994	Buchanan, Steven	(71) 555-5598
Leveiling, Janet	585-66-7754	8/30/1963	4/1/1992	Fuller, Andrew	(206) 555-3412
Peacock, Margaret	535-28-5109	9/19/1958	5/2/1993	Fuller, Andrew	(206) 555-8122

Customer Order

SpokenLanguage

English

Record: 1 of 1

New Spoken Language Record

Duplicate Spoken Language Record

Edit Spoken Language Record

Delete Spoken Language Record(s)

Link the Selected Employee with a Spoken Language Record(s)

Unlink the Employee Record from the Selected Spoken Language Record(s)

View Spoken Language Record

Export Spoken Language Record(s)

Print Preview

Promote Spoken Language

Display Data Entry Grid

FIG. 20



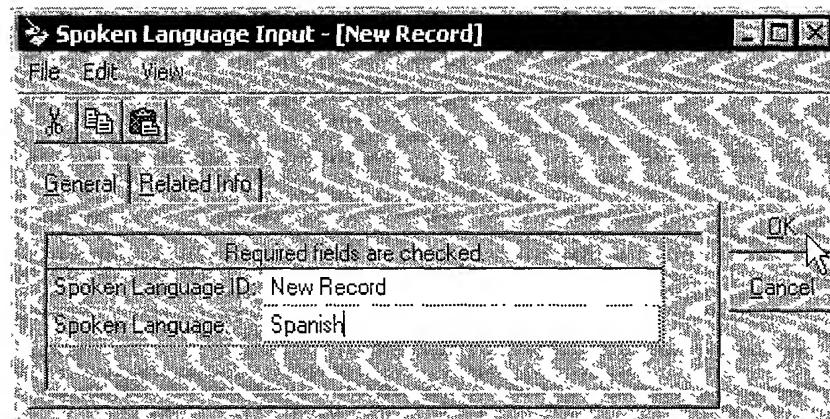


FIG. 21

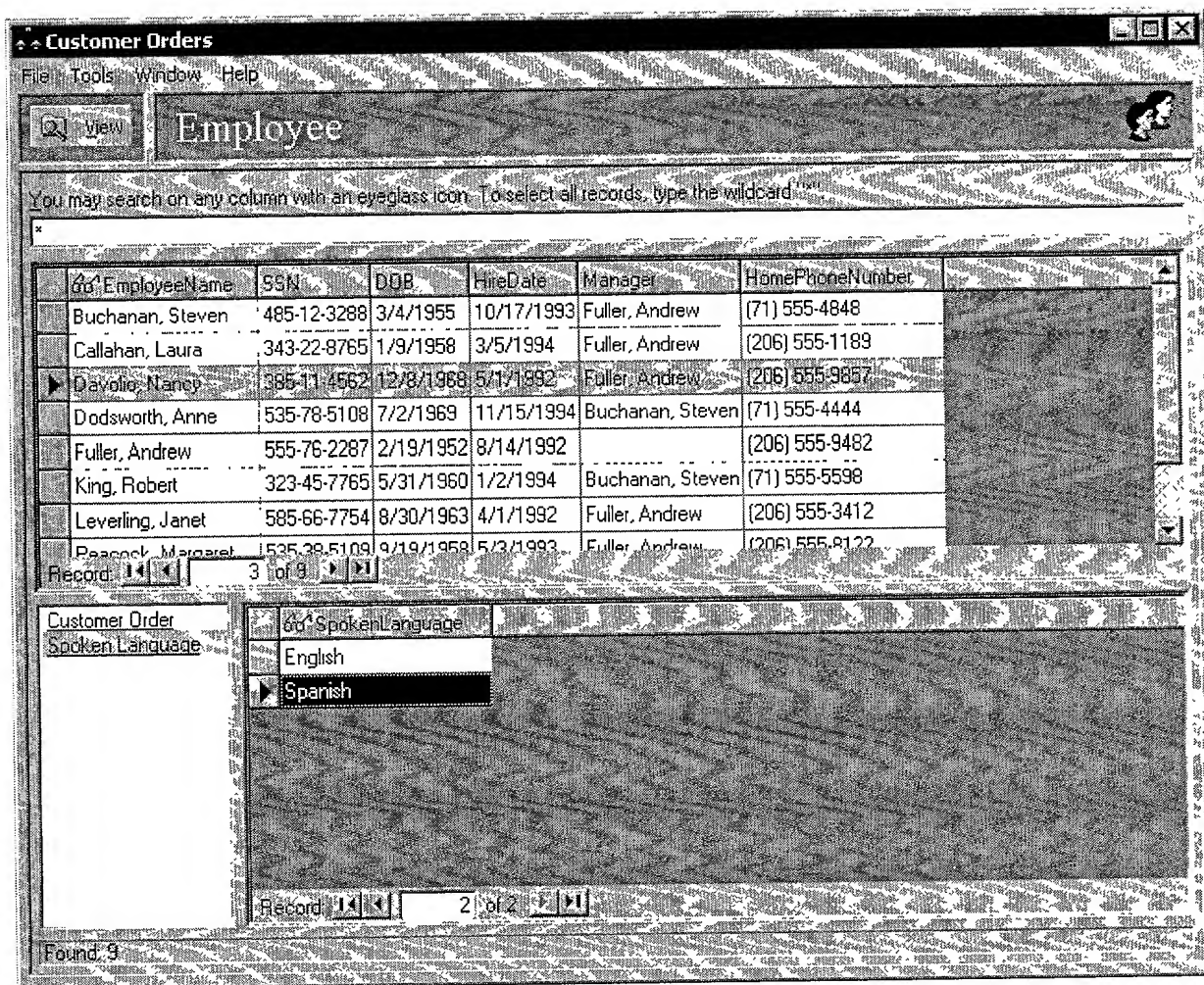


FIG. 22

Customer Orders

File Tools Window Help

Customer Order

View

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Suy

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95
Allreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.45
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05
Bottom-Dollar Markets	Suyama, Michael	4/23/1999		United Package	\$70.59

Record 2 of 67

Bottom-Dollar Markets

Line Item

Customer

Sales Person

Record 1 of 1

Found 67

CustomerName

SalesPerson

OrderDate

ShippedDate

ShipperName

Freight

Phone Number

Allreds Futterkiste

Obere Str. 57

Berlin

Germany

12209

030-0074321

New Customer Record

Duplicate Customer Record

Edit Customer Record

Delete Customer Record(s)

Link the Customer Order Record with a Different Customer Record

Unlink the Customer Order Record from the Selected Customer Record

View Customer Record

Export Customer Record(s)

Print Preview

Promote Customer

Display Data Entry Grid

FIG. 23

**Customer**

File

You may search on any column with an eyeglass icon. To select all records, type the wildcard

CustomerName	BillAddress	BillCity	BillRegion	BillPostalCode	Country
Alfreds Futterkiste	Obere Str. 57	Berlin		12209	Germany

Record: 1 of 1

**Customer Order**

CustomerName	SalesPerson	OrderDate	ShippedDate	Shipper
Alfreds Futterkiste	Leverling, Janet	4/9/1998	4/13/1998	Speedy
Alfreds Futterkiste	Davolio, Nancy	3/16/1998	3/24/1998	Speedy
Alfreds Futterkiste	Davolio, Nancy	1/15/1998	1/21/1998	Federal
Alfreds Futterkiste	Peacock, Margaret	10/13/1997	10/21/1997	Speedy
Alfreds Futterkiste	Peacock, Margaret	10/13/1997	10/13/1997	United States

Record: 1 of 6

Found: 1

FIG. 24



**Customer Orders**

File Tools Window Help

View Customer Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Suyama

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.35	Br
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	Ol
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	Fe
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	Fe
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	Fe
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	24
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	24
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58	25

Record: 1 of 67

Line Item	CustomerName	BillAddress	BillCity	BillRegion	BillPostalCode	BillCountry	PhoneNumber
Customer	ACME Grocery	2810 Milton Dr.	Albuquerque	NM	87110	USA	505-797-2807
Sales Person							

Record: 1 of 1

Found: 67

FIG. 25

**Customer Orders**

File Tools Window Help

**Customer Order**

You may search on any column with an eyeglass icon. To select all records, type the wildcard "\*".

Suyama

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	ShipAddress
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	Brook Farm 151st
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997	Speedy Express	\$29.46	Obere Str. 57
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997	Federal Shipping	\$29.98	Fauntleroy Circus
B's Beverages	Suyama, Michael	5/16/1997	5/23/1997	Federal Shipping	\$12.36	Fauntleroy Circus
Blauer See Delikatessen	Suyama, Michael	3/17/1998	3/20/1998	United Package	\$44.65	Forsterstr. 57
Blondel père et fils	Suyama, Michael	1/12/1998	2/6/1998	Speedy Express	\$7.09	24, place Kléber
Blondel père et fils	Suyama, Michael	6/5/1997	6/13/1997	Speedy Express	\$8.05	24, place Kléber
Bottom-Dollar Markets	Suyama, Michael	1/23/1998		United Package	\$70.58	23 Tsawwassen Bl

Record: 1 of 67

Line Item	CustomerName	OrderNumber	Product Name	Unit Price	Quantity	Discount	Extended Price
Customer	ACME Grocery	10355	Boston Crab Meat	\$18.40	5	0	\$92.00
Sales Person	ACME Grocery	10355	Guaraná Fantástica	\$4.50	25	0	\$90.00
	ACME Grocery	10355	Ravioli Angelo	\$19.50	25	0	\$390.00

Record: 1 of 3

Found: 67

FIG. 26

**Customer Orders**

File Tools Window Help

View **Customer Order**

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

Chai

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	ShipAddress
Alfreds Futterkiste	Leverling, Janet	4/9/1998	4/13/1998	Speedy Express	\$1.21	Obere Str. 57
Berglunds snabbkop	Davolio, Nancy	10/1/1997	10/7/1997	United Package	\$13.42	Berguvsvagen 8
Blondel père et fils	Peacock, Margaret	8/12/1997	8/20/1997	Federal Shipping	\$30.36	24, place Kléber
Bottom-Dollar Markets	Leverling, Janet	3/2/1998	3/11/1998	Federal Shipping	\$48.83	23 Tsawassen Blvd
Cactus Comidas para llevar	Callahan, Laura	4/29/1997	5/2/1997	United Package	\$17.22	Cerrito 333
Chop-suey Chinese	Suyama, Michael	12/3/1996	12/27/1996	United Package	\$1.17	Hauptstr. 31
Die Wandernde Kuh	Peacock, Margaret	11/7/1996	11/15/1996	United Package	\$0.78	Adenauerallee 900
Du monde entier	Kinn, Robert	7/24/1997	7/30/1997	United Package	\$1.85	67, rue des Cinquante

Record 1 of 41

Line Item	CustomerName	OrderNumber	Product Name	UnitPrice	Quantity	Discount	ExtendedPrice
Customer	Alfreds Futterkiste	11011	Chai	\$18.00	10	0	\$180.00
Sales Person	Alfreds Futterkiste	11011	Escargots de Bourgogne	\$13.25	40	0.05	\$500.00
	Alfreds Futterkiste	11011	Flotemysost	\$21.50	20	0	\$430.00

Record 1 of 3

Found: 41

FIG. 27

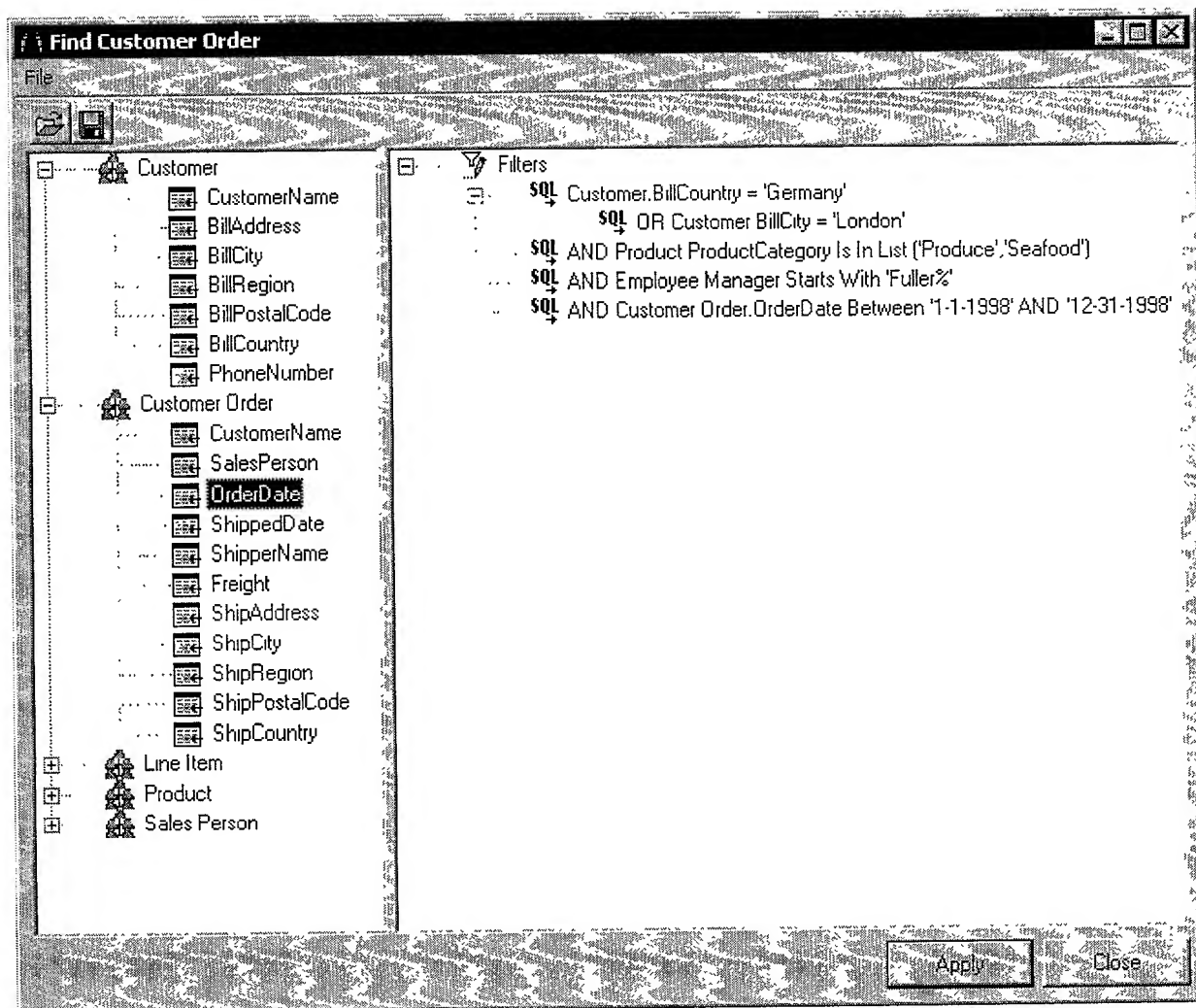


FIG. 28



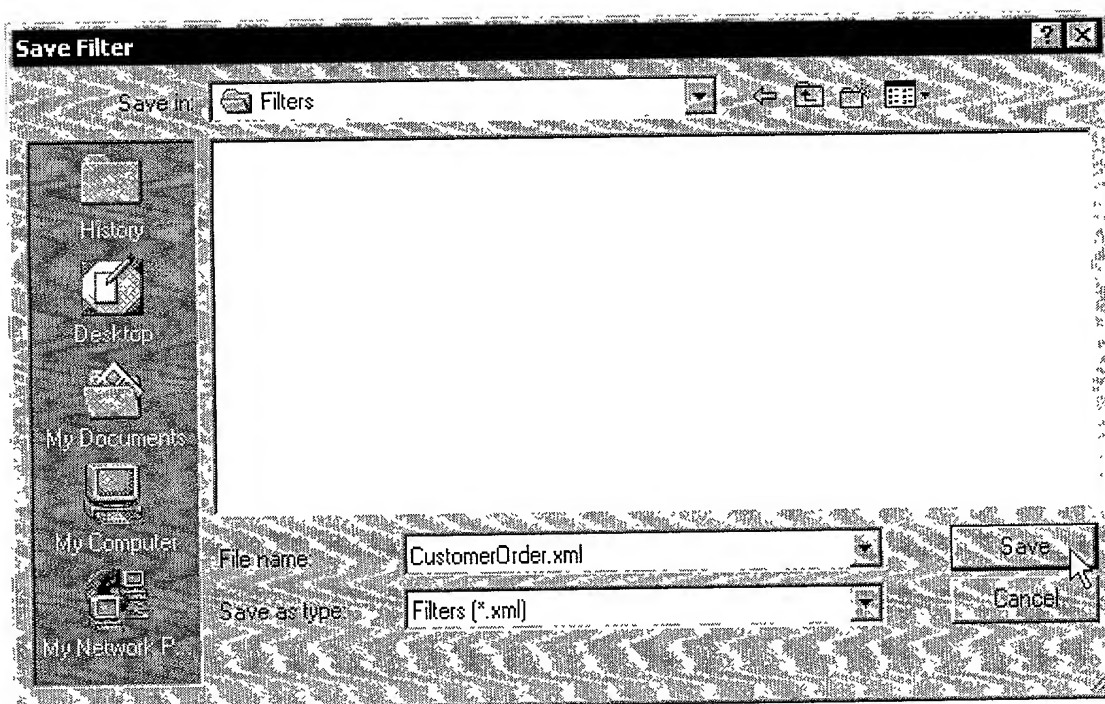


FIG. 29

10040851-122801

Custom Orders

File Edit Window Help

View Customer Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

ACME

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	ShipAddress	S
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	Brook Farm II Stratford St. Mary C	

Record: 1 of 1

**Line Item**

?

Delete the selected record(s)?

Yes No

Line Item	CustomerName	OrderNumber	Product Name	Unit Price	Quantity	Discount	Extended Price
Customer	ACME Grocery	10355	Boston Crab Meat	\$18.40	5	0	\$92.00
Sales Person	ACME Grocery	10355	Guaraná Fantástica	\$4.50	25	0	\$90.00
	ACME Grocery	10355	Ravioli Angelo	\$19.50	25	0	\$390.00

Record: 3 of 3

Found: 1

FIG. 30

**Customer Order Input**

File Edit View

General Related Info

Required fields are checked.

Customer Order ID:	10355	
Customer:	ACME Grocery	✓
Sales Person:	Suyama, Michael	✓
Order Date:	11/15/1996	✓
Shipped Date:	11/20/1996	✓
Shipper:	Speedy Express	✓
Freight:	\$41.95	✓
Shipping Address:	Address: Brook Farm Stratford St Mary City: Colchester Region: Essex PostalCode: CO7 6JX	✓

OK Cancel

FIG. 31

## Data Entry Control Decision Flowchart

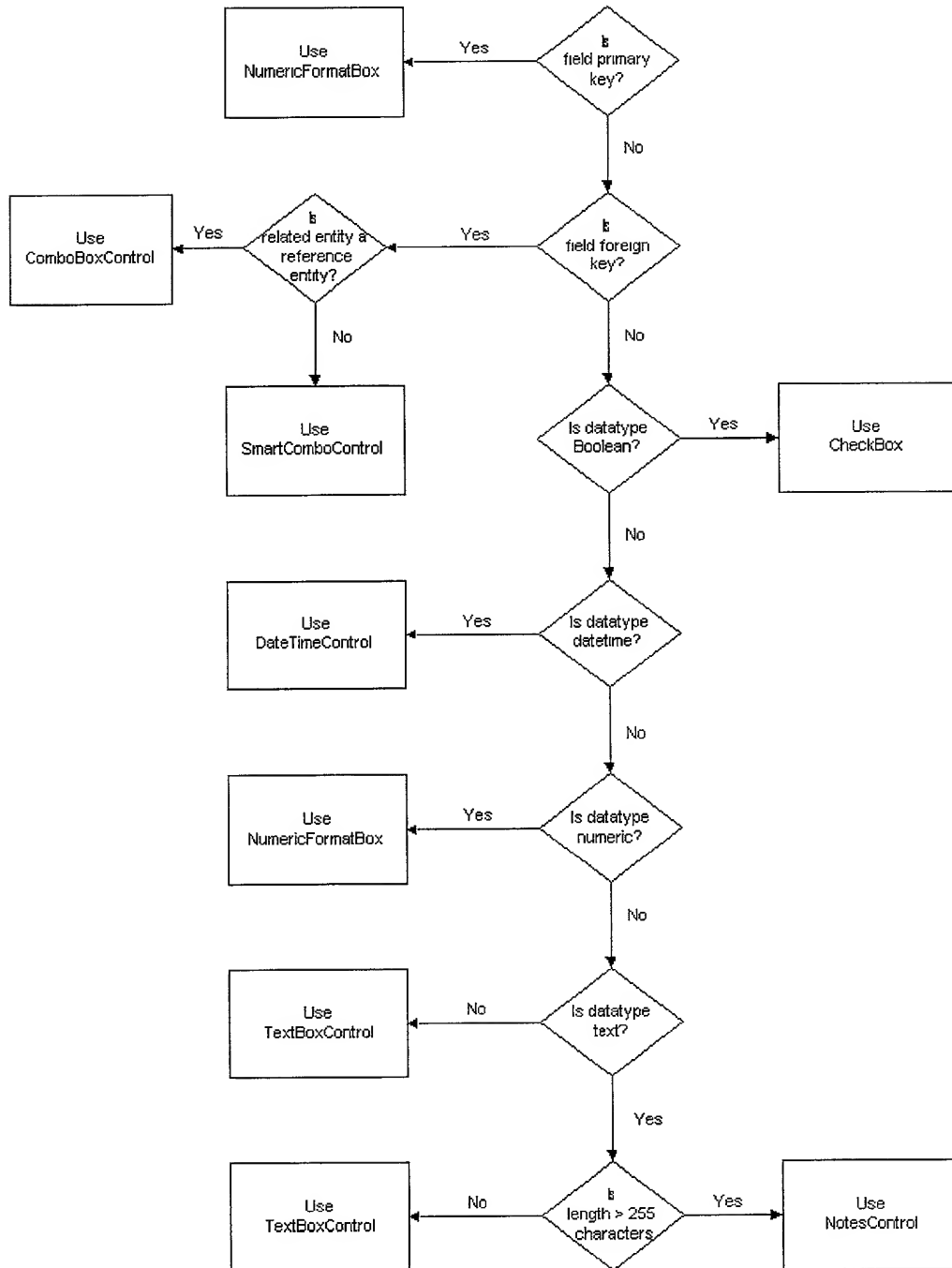


FIG. 32

**Customer Order Input**

File Edit View

General Related Info

Required fields are checked

Customer Order ID:	10355	
Customer:	ACME Grocery	✓
Sales Person:	Suyama, Michael	✓
Order Date:	11/15/1996	✓
Shipped Date:	11/20/1996	
Shipper:	Speedy Express	
Freight:	Federal Shipping	✓
Shipping Address:	Speedy Express	
	United Package	
	City: Colchester	✓
	Region: Essex	
	PostalCode: C07 6JX	

OK Cancel

FIG. 33

10040851-122801

**Line Item Input - Order Number: 10355**

File Edit View

General Related Info

Required fields are checked.

Line Item ID	2185
Customer Order	CustomerName: ACME Grocery OrderDate: 11/15/1996 SalesPerson: Suyama, Michael OrderNumber: 10355
Product	Boston Crab Meat ✓
Unit Price	\$18.40
Quantity	5 ✓
Discount	0 ✓
Extended Price	\$92.00

OK Cancel

FIG. 34



**Customer Orders**

File Tools Window Help

view Customer Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard \*

ACME

CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	ShipAddress
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996	Speedy Express	\$41.95	Brook Farm II Stratford St. Mary C

Record: 1 of 1

Line Item	EmployeeName	SSN	DOB	HireDate	Manager	HomePhoneNumber
Customer	Suyama, Michael	585-35-1292	7/22/1963	10/17/1993	Buchanan, Steven	(71) 555-7773
Sales Person						

Record: 1 of 1

Found: 1

FIG. 35

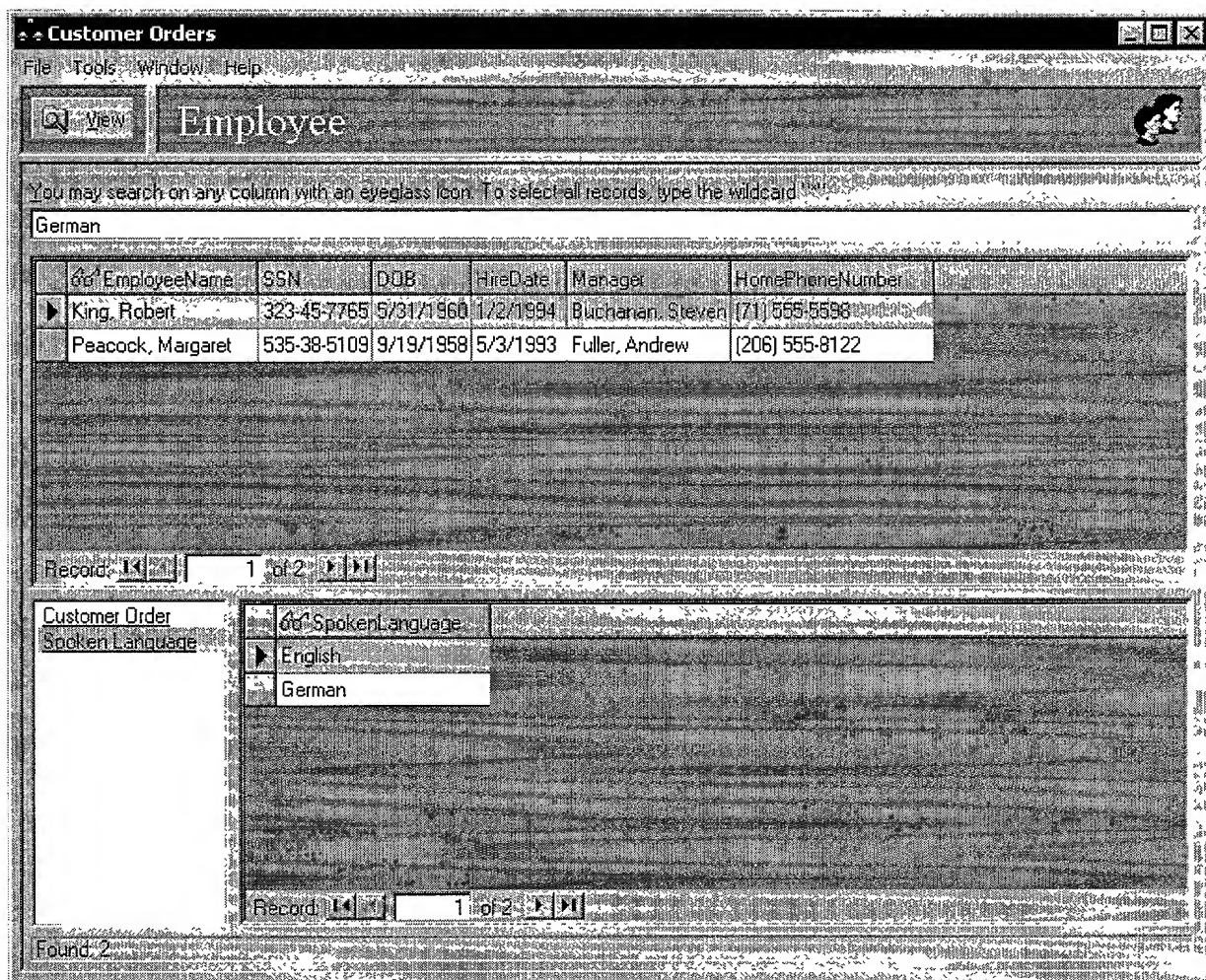


FIG. 36



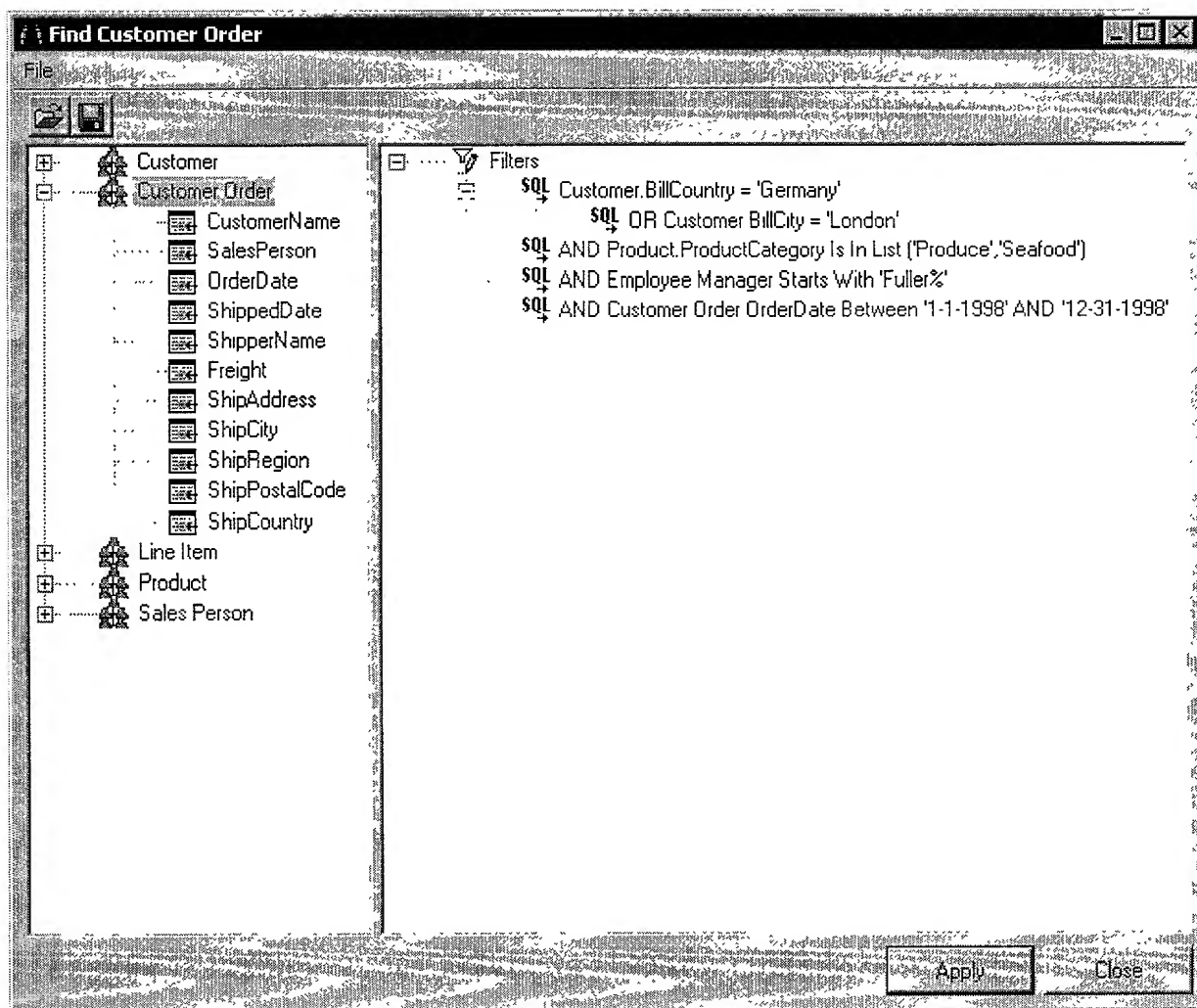


FIG. 37

**Filter: Text**

Field:

Operator:

Values:

In List:

- ☐ Beverages
- ☐ Condiments
- ☐ Confections
- ☐ Dairy Products
- ☐ Grains/Cereals
- ☐ Meat/Poultry
- ☒ Produce
- ☒ Seafood

OK Cancel

Select All Deselect All

FIG. 38

10040351.122801

**Line Item Input - [New Record]**

File Edit View

General Related Info

Required fields are checked.

Line Item ID:	New Record	
Customer Order:	CustomerName: ACME Grocery	
	OrderDate 11/15/1996	
	SalesPerson: Suyama, Michael	✓
	OrderNumber: 10355	
Product:	Aniseed Syrup	✓
Unit Price:	10	
Quantity:	10	✓
Discount:	0.1	✓
Extended Price:	\$90.00	

OK Cancel

FIG. 39

10040851-122901  
TEST TEST

Line Item Input				
Product	Quantity	Discount	Extended Price	
Boston Crab Meat	5	✓ 0	✓	\$92.00
Guaraná Fantástica	✓ 25	✓ 0	✓	\$90.00
Ravioli Angelo	✓ 25	✓ 0	✓	\$390.00
*	✓	✓	✓	

Record (Filtered) 1 of 3

FIG. 40



**Line Item Input - Order Number: 10355**

File Edit View

General Related Info

Required fields are checked.

Line Item ID:	2185	
Customer Order:	CustomerName: ACME Grocery	
	OrderDate 11/15/1996	
	SalesPerson: Suyama, Michael	✓
	OrderNumber 10355	
Product:	Boston Crab Meat	✓
Unit Price:	\$18.40	
Quantity:	5	✓
Discount:	0	✓
Extended Price:	\$92.00	

OK

Cancel

FIG. 41

**Product Input**

File Edit View

General Related Info

Required fields are checked

Product ID:	40	
Product Name:	Boston Crab Meat	✓
Supplier:	New England Seafood Cannery	✓
Category:	Seafood	✓
Quantity Per Unit:	24 - 4 oz tins	✓
Unit Price:	\$18.40	✓
Units In Stock:	123	✓
Units On Order:	0	✓
Reorder Level:	30	✓
Discontinued:	<input checked="" type="checkbox"/>	

OK Cancel

FIG. 42

10040851-122801

**Customer Order Input - [New Record]**

File Edit View

General Related Info

Required fields are checked.

Customer Order ID:	New Record	
Customer:	ACME Grocery	✓
Sales Person:	Suyama, Michael	✓
Order Date:	12/15/2001	✓
Shipped Date:		
Shipper:		<input checked="" type="checkbox"/> <input type="checkbox"/>
Freight:	\$0.00	✓
Shipping Address:		✓

OK Cancel

FIG. 43

10040851 122801

**Shipper Input - [New Record]**

File Edit View

General

Required fields are checked.

Shipper ID:	New Record
Shipper Name:	National Transport ✓
Phone:	312-777-3244

OK Cancel

FIG. 44



10040354-122801

**Customer Order Input - [New Record]**

File Edit View

General Related Info

Required fields are checked.

Customer Order ID:	New Record	
Customer:	ACME Grocery	✓
Sales Person:	Suyama, Michael	✓
Order Date:	12/15/2001	✓
Shipped Date:		
Shipper:	National Transport	▼
Freight:	\$0.00	✓
Shipping Address:		✓

OK Cancel

FIG. 45

Employee Input

File Edit View

General Related Info

Required fields are checked.

Employee ID:	2	
Last Name:	Fuller	✓
First Name:	Andrew	✓
SSN:	555-76-2287	✓
Birth Date:	02/19/1952	✓
Hire Date:	08/14/1992	✓
Manager:		
Email Address:		
Address:	Address: 908 W Capital Way	
	City: Tacoma	
	Region: WA	✓
	PostalCode: 98401	
	Country: USA	
Home Phone:	(206) 555-9482	
Resume:		
Photo:	(Image)	
Notes:	Andrew received his BTS commercial and a Ph.D. in international marketing from the University of Dallas. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then	

OK

Cancel

FIG. 46

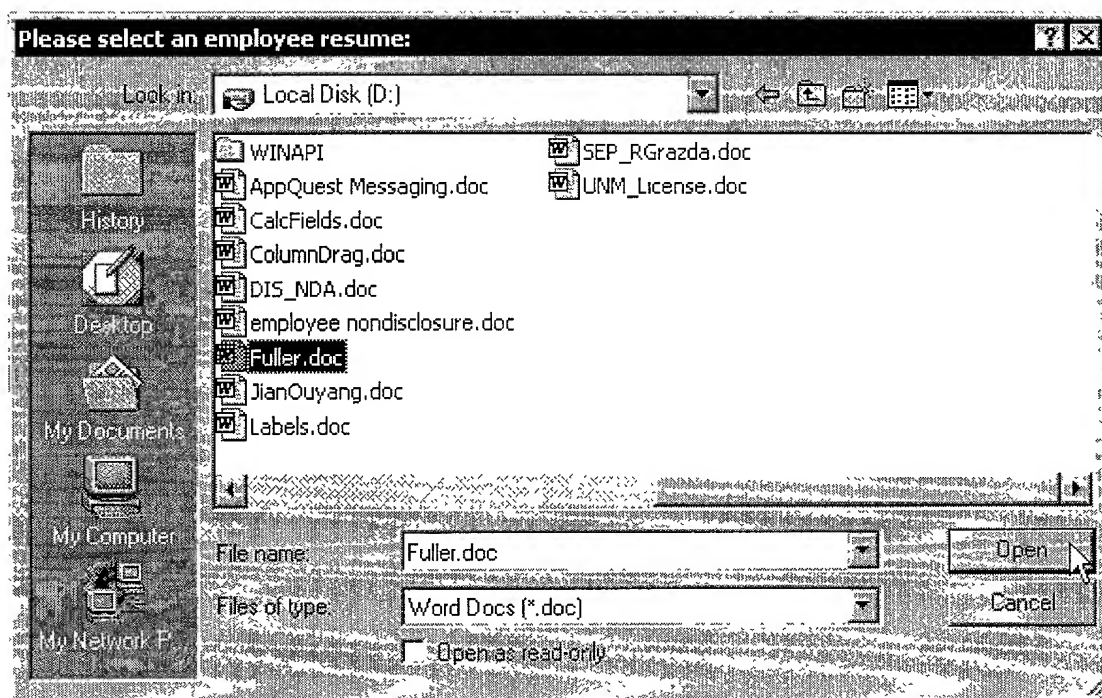


FIG. 47

**Employee Input**

File Edit View

General Related Info

Required fields are checked.

Employee ID:	2	
Last Name:	Fuller	✓
First Name:	Andrew	✓
SSN:	555-76-2287	✓
Birth Date:	02/19/1952	✓
Hire Date:	08/14/1992	✓
Manager:		
Email Address:		
Address:	Address: 908 W Capital Way	
	City: Tacoma	
	Region: WA	✓
	PostalCode: 98401	
	Country: USA	
Home Phone:	(206) 555-9482	
Resume:	D:\Fuller.doc	
Photo:	(Image)	
Notes:	Andrew received his BTS commercial and a Ph D. in international marketing from the University of Dallas. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then	

OK Cancel

FIG. 48



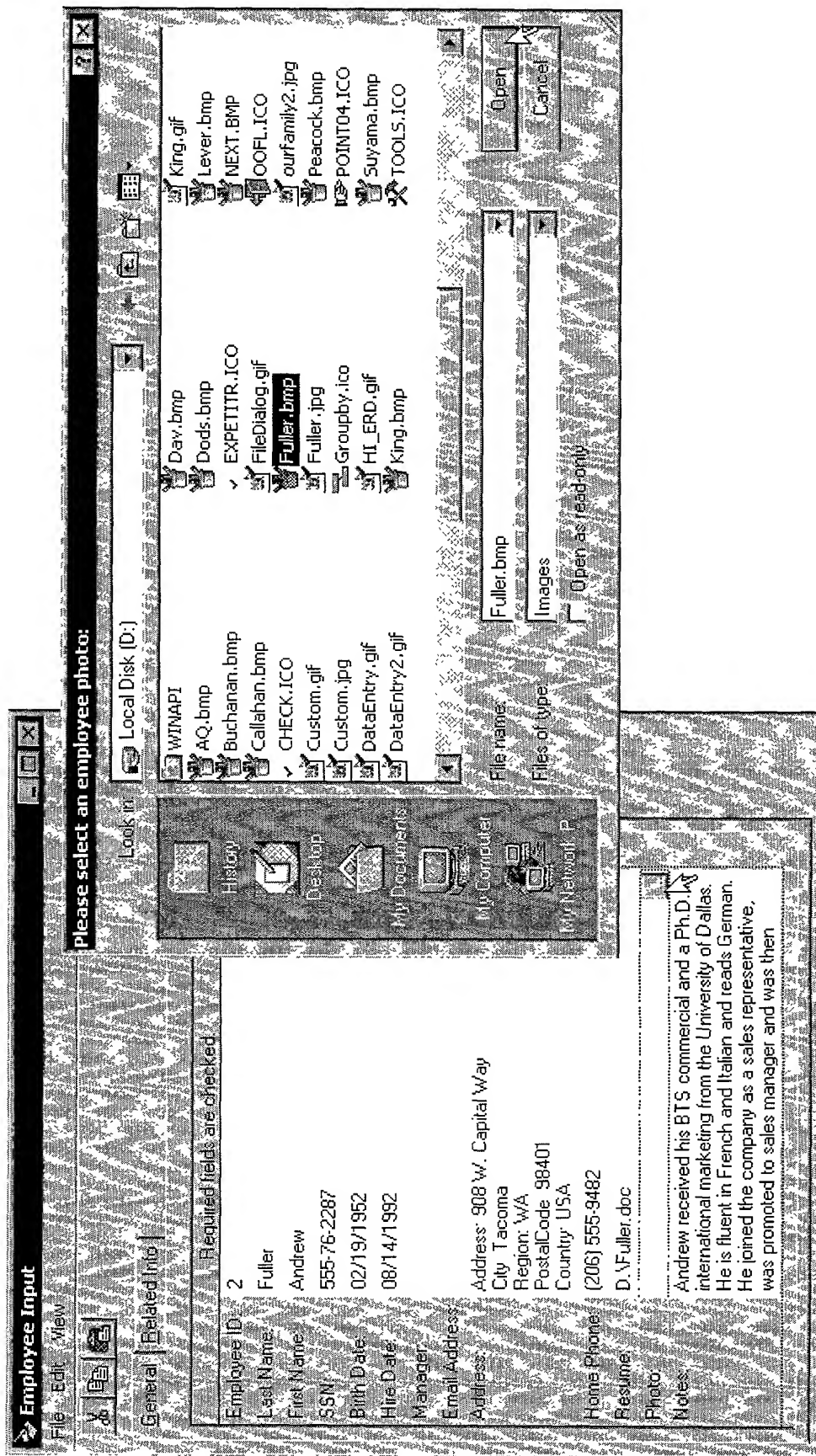


FIG. 49

Employee Input

File Edit View

General

Related Info

Required fields are checked.

Employee ID: 2

Last Name: Fuller

First Name: Andrew

SSN: 555-76-2287

Birth Date: 02/19/1952

Hire Date: 08/14/1992

Manager:

Email Address:

Address: 908 W. Capital Way

City: Tacoma

Region: WA

Postal Code: 98401

Country: USA

Home Phone: (206) 555-9482

Resume: D:\Fuller.doc

Photo: (Image)

Notes: Andrew received his BTS commercial and international marketing from the University. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then

OK

Cancel

FIG. 50

FIG. 51

Employee Input

File Edit View

Zoom

File Edit

General Related Info

Required fields are checked

Employee ID: 2

Last Name: Fuller

First Name: Andrew

SSN: 555-76-2287

Birth Date: 02/19/1952

Hire Date: 08/14/1992

Manager:

Email Address:

Address: 908 W. Capital Way

City: Tacoma

Region: WA

Postal Code: 98401

Country: USA

Home Phone: (206) 555-9482

Resume:

Photo:

Notes:

Andrew received his BTS commercial and a Ph.D. in international marketing from the University of Dallas. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then named vice president of sales. Andrew is a member of the Sales Management Roundtable, the Seattle Chamber of Commerce, and the Pacific Rim Importers Association.

FIG. 52



**Product Input**

File Edit View

General Related Info

Required fields are checked.

Product ID:	3	
Product Name:	Aniseed Syrup	✓
Supplier:	Exotic Liquids	✓
Category:	Condiments	✓
Quantity Per Unit:	12 - 550 ml bottles	✓
Unit Price:	\$10.00	
Units In Stock:	13	✓
Units On Order:	70	✓
Reorder Level:	25	✓
Discontinued:	<input type="checkbox"/>	

OK

Cancel

FIG. 53

Employee Input

File Edit View

Y

General

Related Info

Required fields are checked

Employee ID

2

✓

Last Name

Fuller

✓

First Name

Andrew

✓

SSN

555-76-2287

✓

Birth Date

02/19/1952

✓

Hire Date

08/14/1992

✓

Manager

Email Address

afuller@acmewholesale.com

✓

Address

Address: 908 Capital Way  
City: Tacoma  
Region: WA  
Postal Code: 98401  
Country: USA

✓

Home Phone

(206) 555-9482

Resume

D:\Fuller.doc

Photo

[Image]

Notes

Andrew received his BTS commercial and a Ph.D. in international marketing from the University of Dallas. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then

New Message

File Edit View Insert Format Tools Message Help

Send

Cut Copy Paste Undo

MSO

Check Spelling Attach Priority

From

John@dynamicinfosolutions.com (mail.dynamicinfosolutions.com)

To

afuller@acmewholesale.com

Cc

Subject

FIG. 54

**Business Rule Properties - Line Item - Rule #1**

Rule Number: 1

Update Type: ☐ Delete ☒ Insert ☐ Update

Rule Type: ☒ SQL ☐ Stored Procedure ☐ Terminator

Rule: `SELECT * FROM PRODUCT  
WHERE (UNITS_IN_STOCK - {QUANTITY}) <= 0  
AND PRODUCT_ID = {PRODUCT_ID}`

Action Type: ☐ Fatal ☒ Warning ☐ Go To Rule ☐ Stop

Message: There is insufficient inventory on hand to fill this order. Do you wish to save the line item anyway?

OK Cancel

FIG. 55

**Trigger Properties - Line Item - Trigger #1**

Trigger Number: 1

Update Type: ☐ Delete ☒ Insert ☐ Update

Trigger Type: ☒ SQL ☐ Stored Procedure

Trigger:

```
UPDATE PRODUCT
SET UNITS_IN_STOCK = UNITS_IN_STOCK - {QUANTITY}
WHERE PRODUCT_ID = {PRODUCT_ID}
```

OK Cancel

FIG. 56

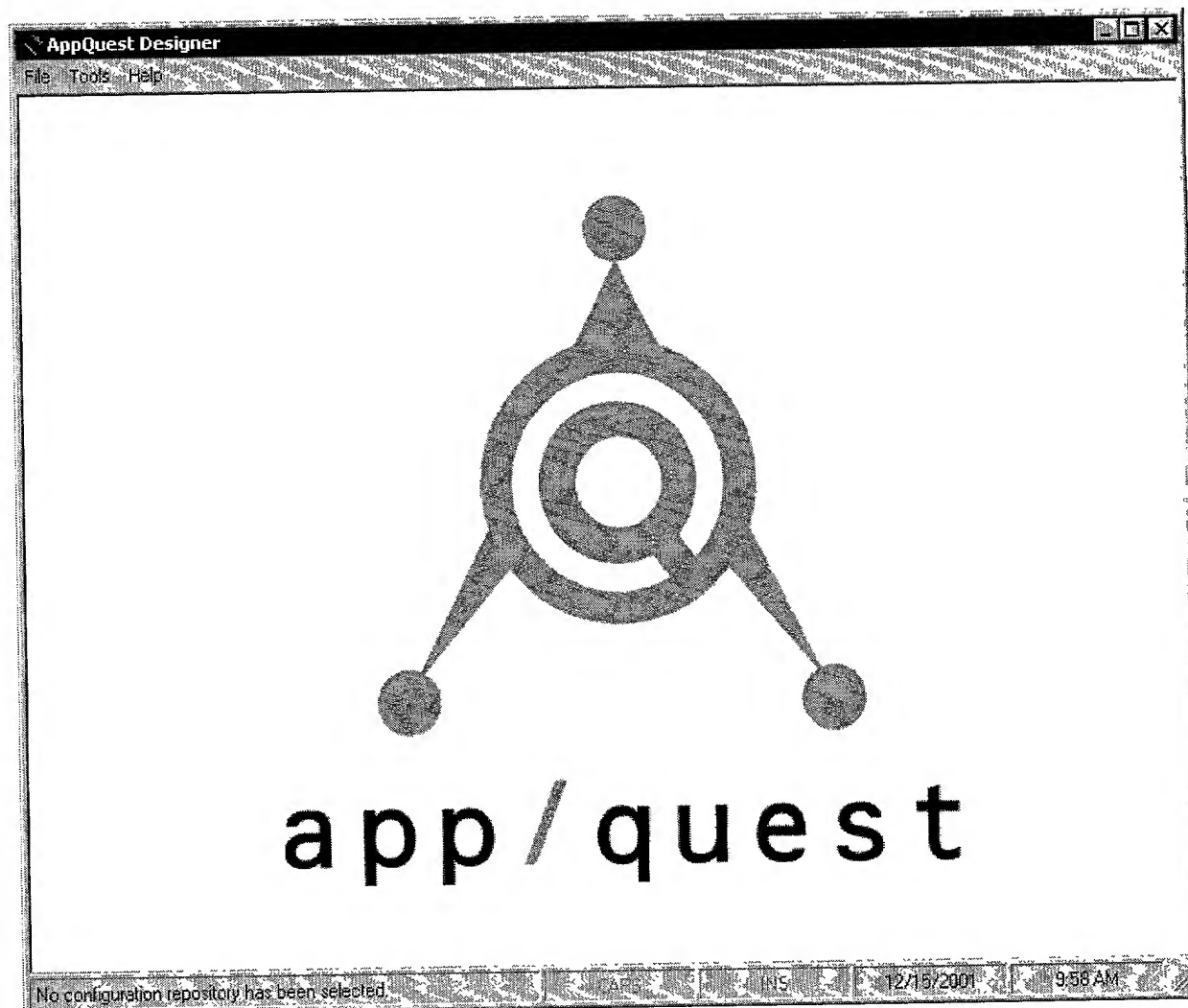


FIG. 57



FIG. 58

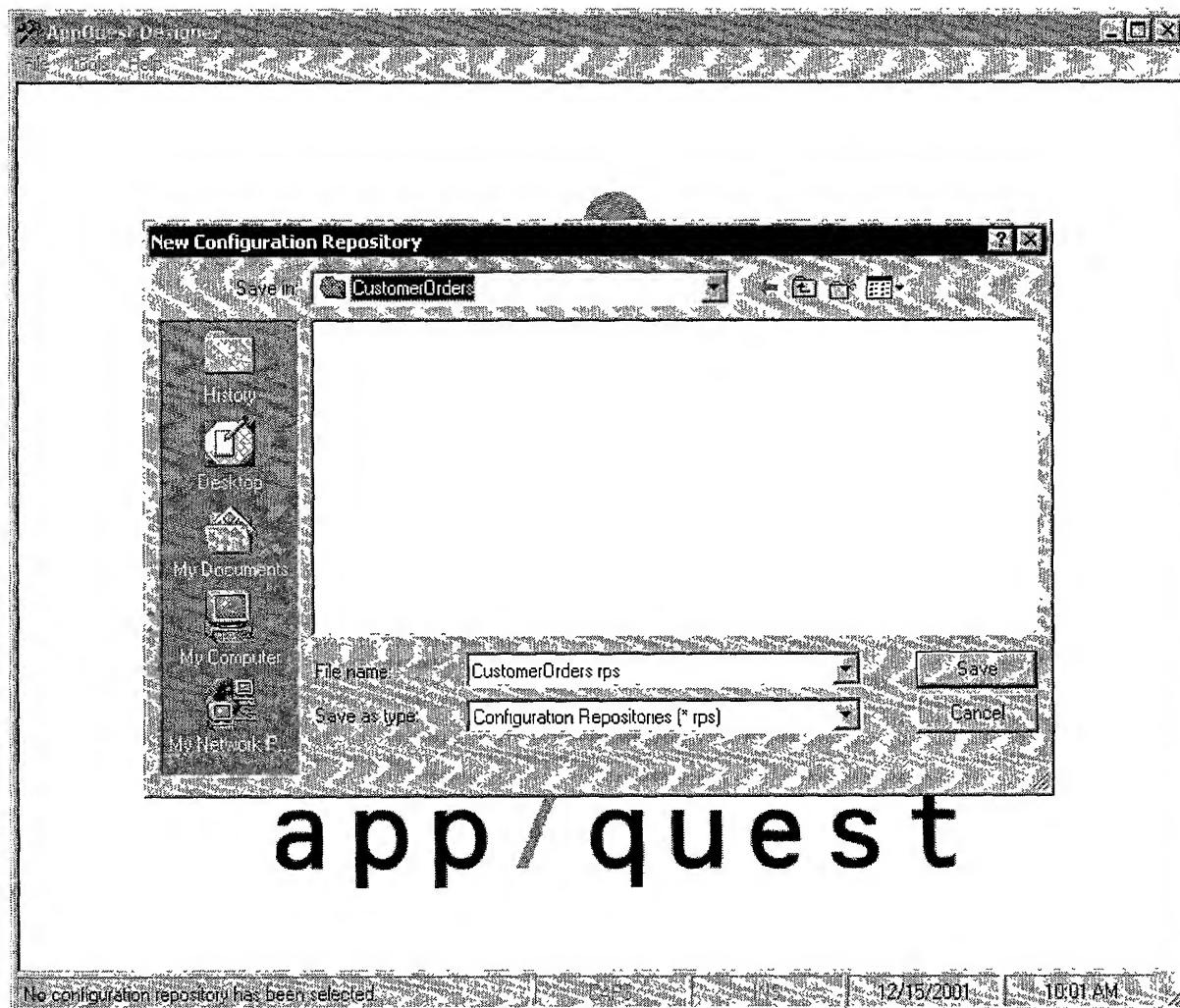


FIG. 58

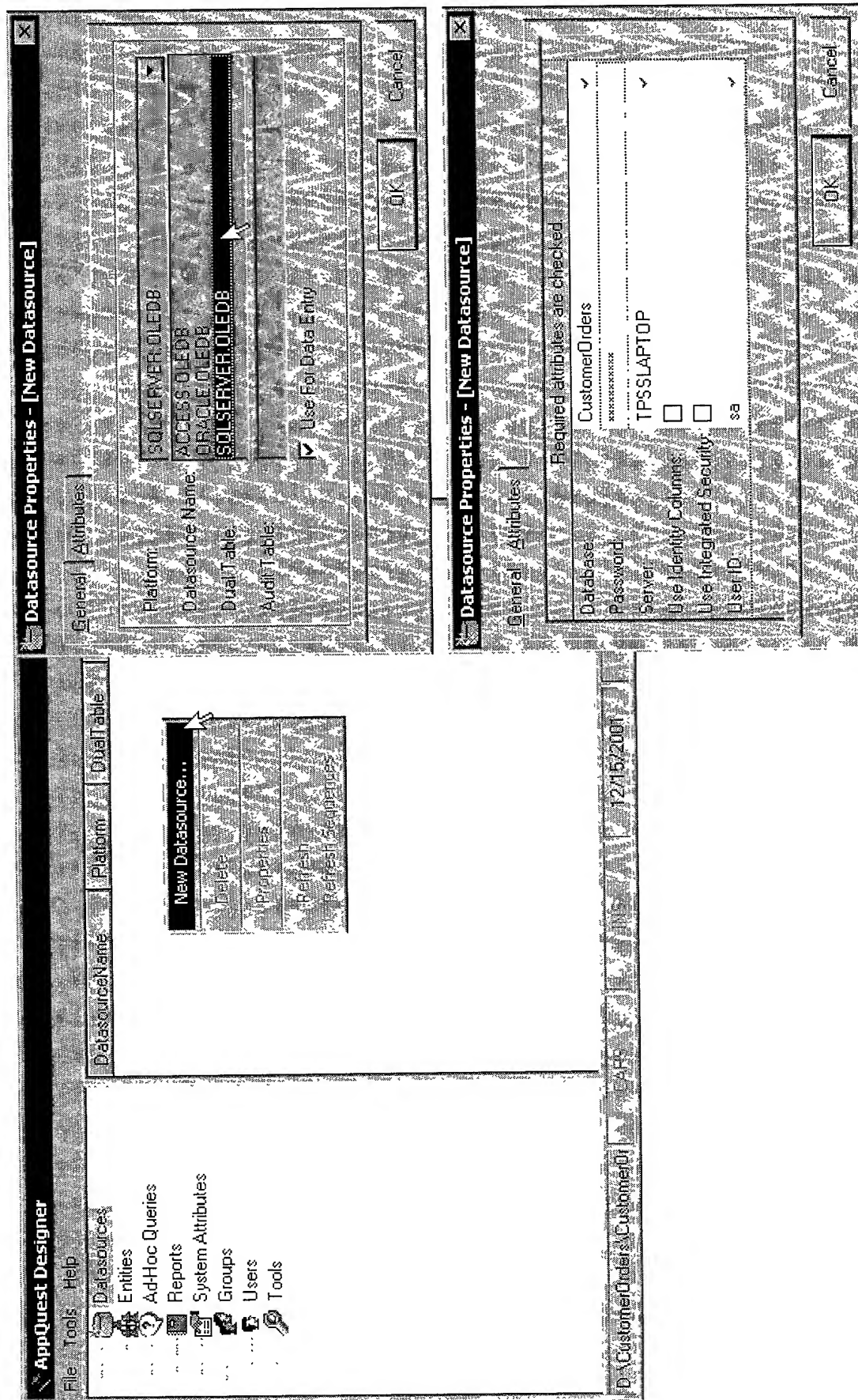


FIG. 59

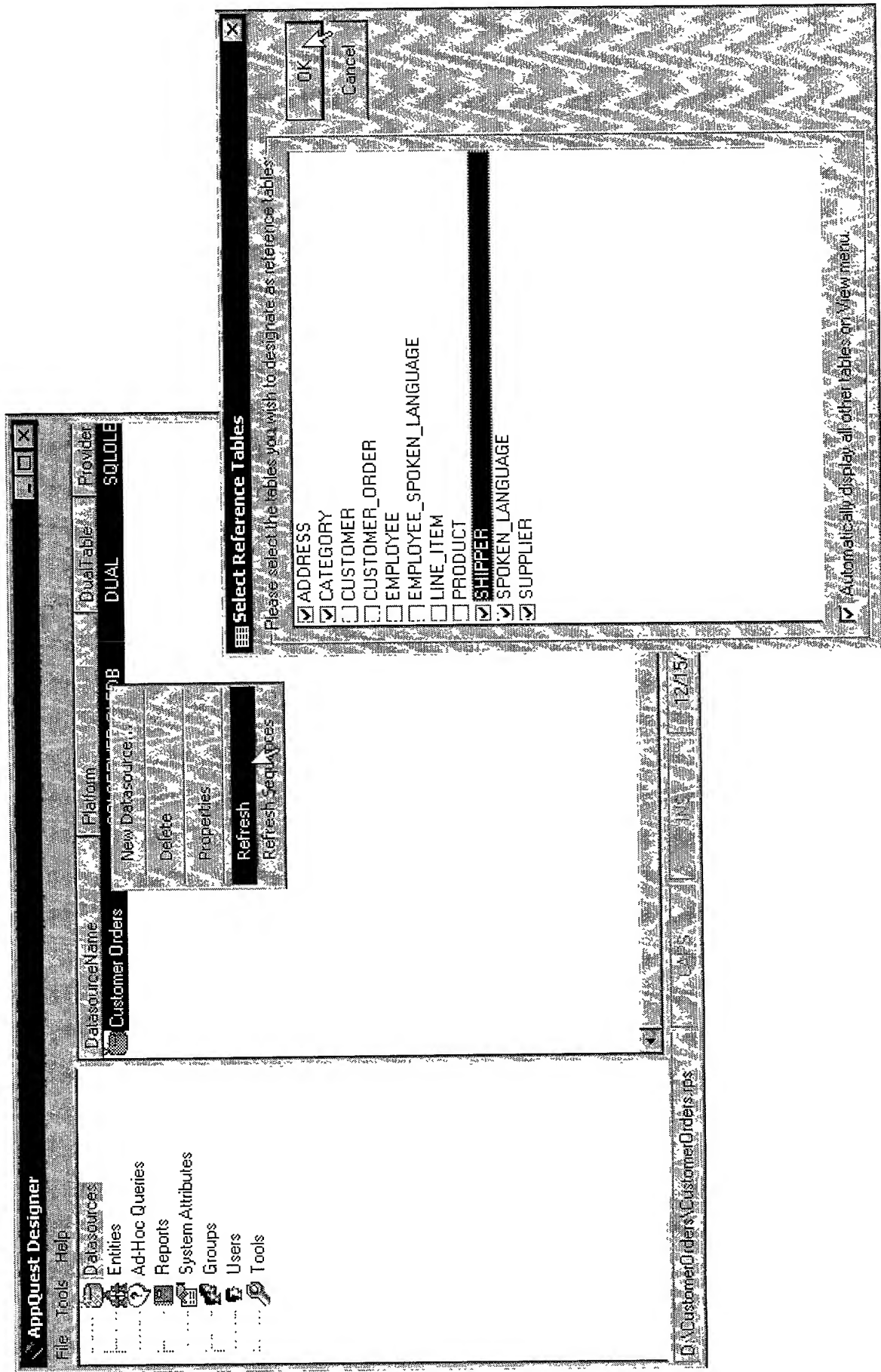


FIG. 60

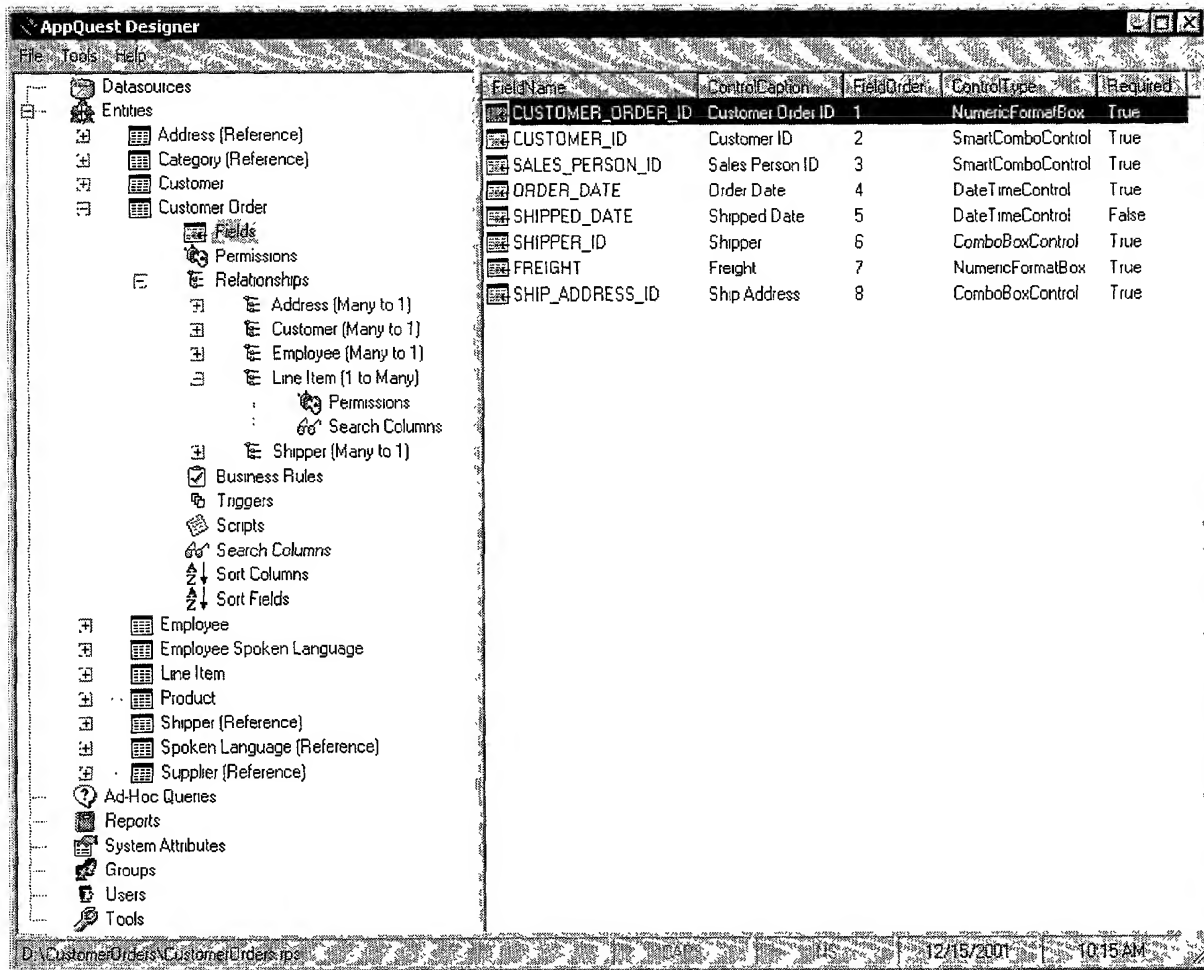


FIG. 61

Field Properties - Customer Order - CUSTOMER\_ID

General Attributes Scripts

Allow Edit: ☐ 1

Display Column: Expression

Expression Type: SQL

Limit To List: ☒ Customer

Reference Entity: Customer

Required attributes are checked:

SELECT CUSTOMER\_ID, CustomerName  
FROM CUSTOMER\_V  
ORDER BY CustomerName

OK Cancel

Field Properties - Customer Order - CUSTOMER\_ID

General Attributes Scripts

Field Name: CUSTOMER\_ID

Control Caption: Customer

Control Type: ComboBoxControl

Default Value:

Column Format:

Field Order: 2

☒ Required

☒ Visible

OK Cancel

FIG. 62



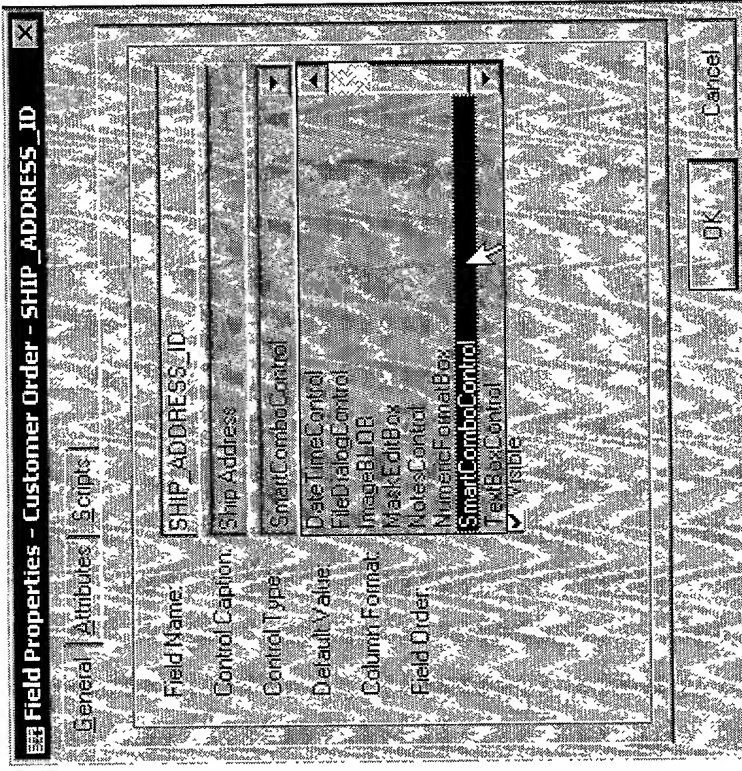
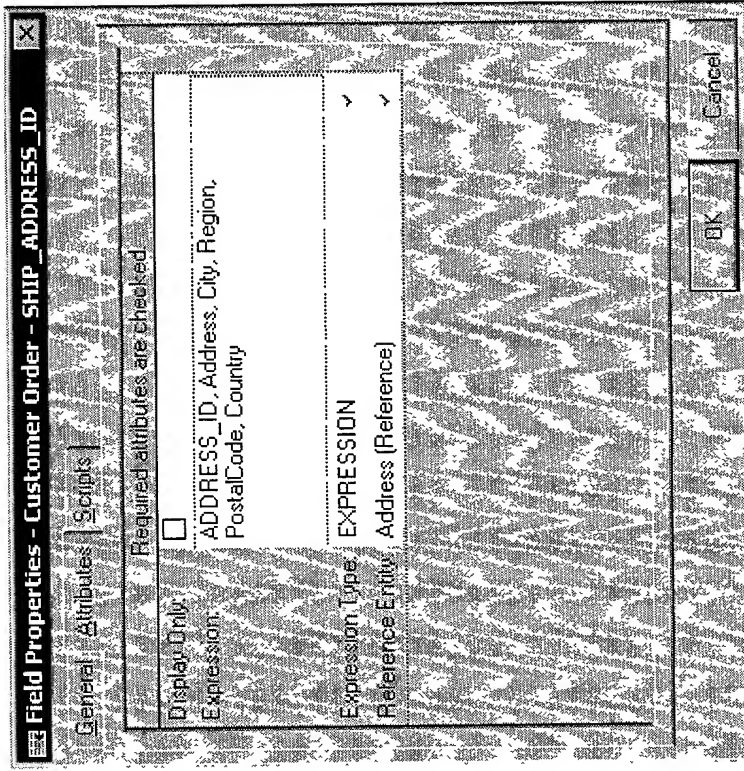


FIG. 63

Entity Properties - Customer Order

GeneralAttributesFiltersSearch PathLinks

Entity ID: 4

Entity Caption: Customer Order

Datasource: Customer Orders

Table Name: CUSTOMER\_ORDER

Table Alias: CUSTOMER\_ORDER

Primary Key: CUSTOMER\_ORDER\_ID

Recordsource: CUSTOMER\_ORDER\_V

Icon: CustomerOrder.ico

Relative Order: 2

☐ Show Primary Key

☒ Display On View Menu

☐ Reference Table

☒ Visible

Entity Properties - Customer Order

GeneralAttributesFiltersSearch PathLinks

Allow Grouping: ☐

Audit On: ☐

Custom Data Entry: ☐

Custom Filter: ☒

Form Caption Expression: Order Number: ' + Convert(varchar(10), CUSTOMER\_ORDER\_ID)

List Limit: 1000

Minimum Width (Chars): 0

Report Name:

Report Path:

Report Type:

Search On Key Press: ☐

Required attributes are checked

OK

Cancel

FIG. 64

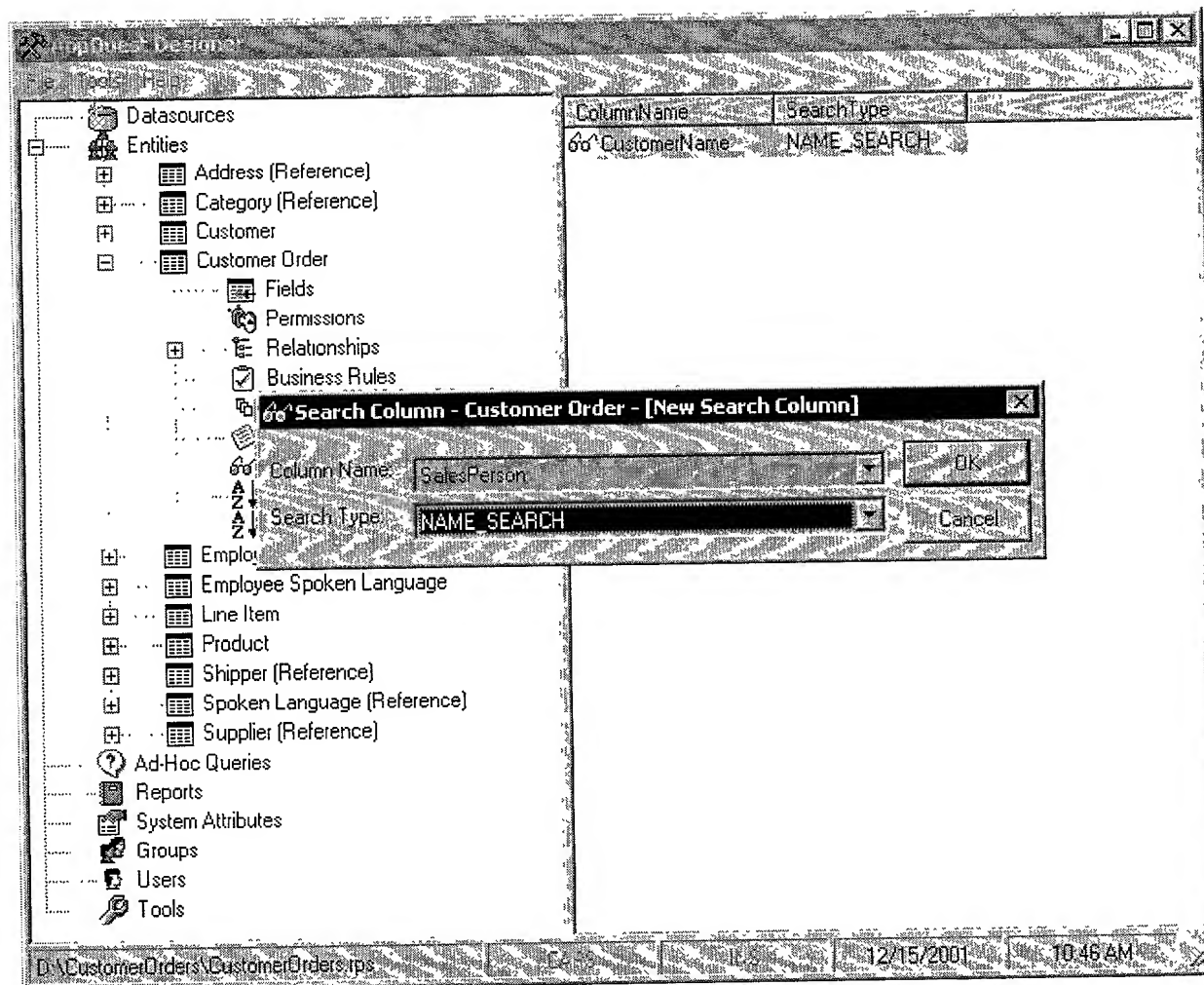


FIG. 65

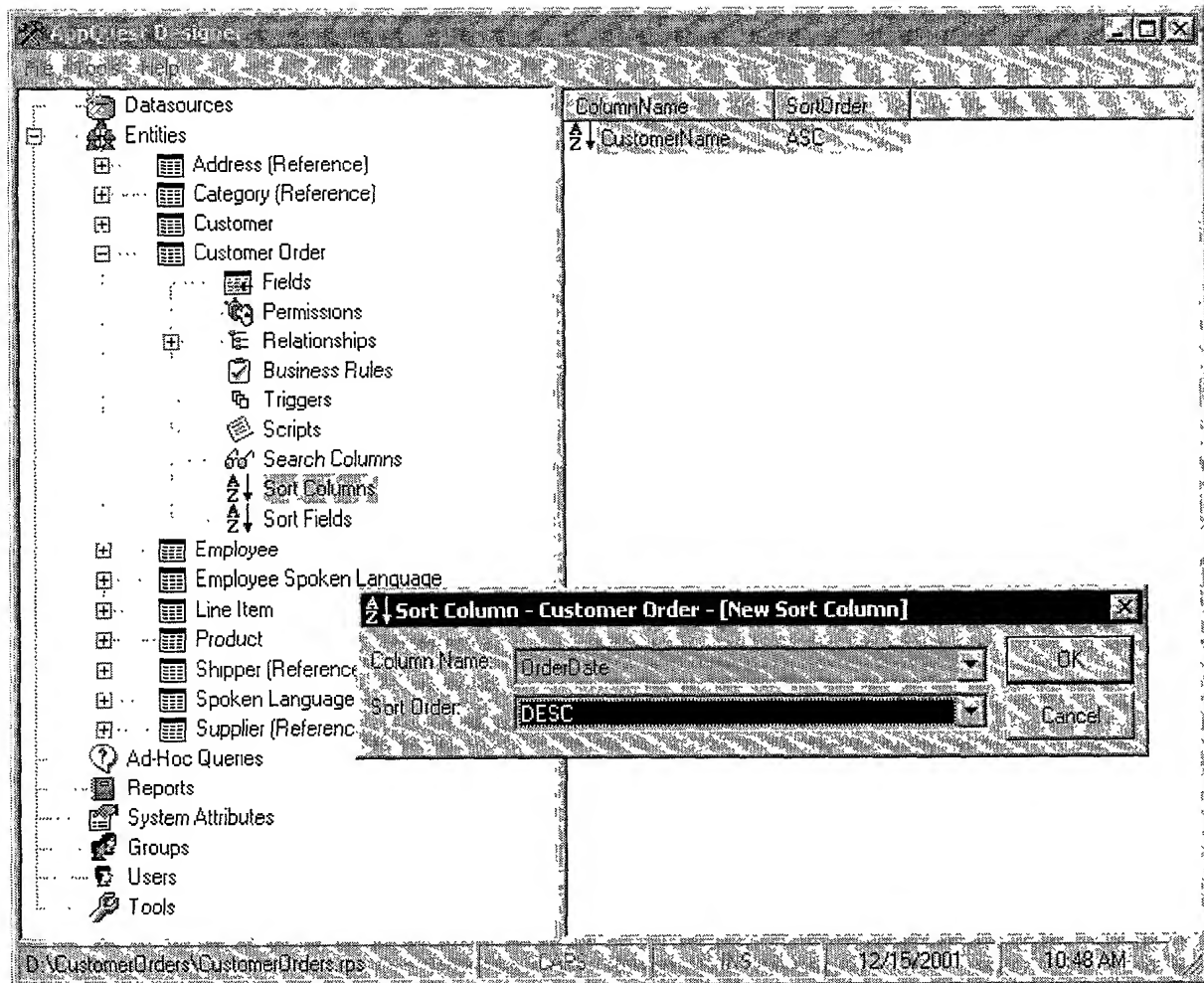


FIG. 66

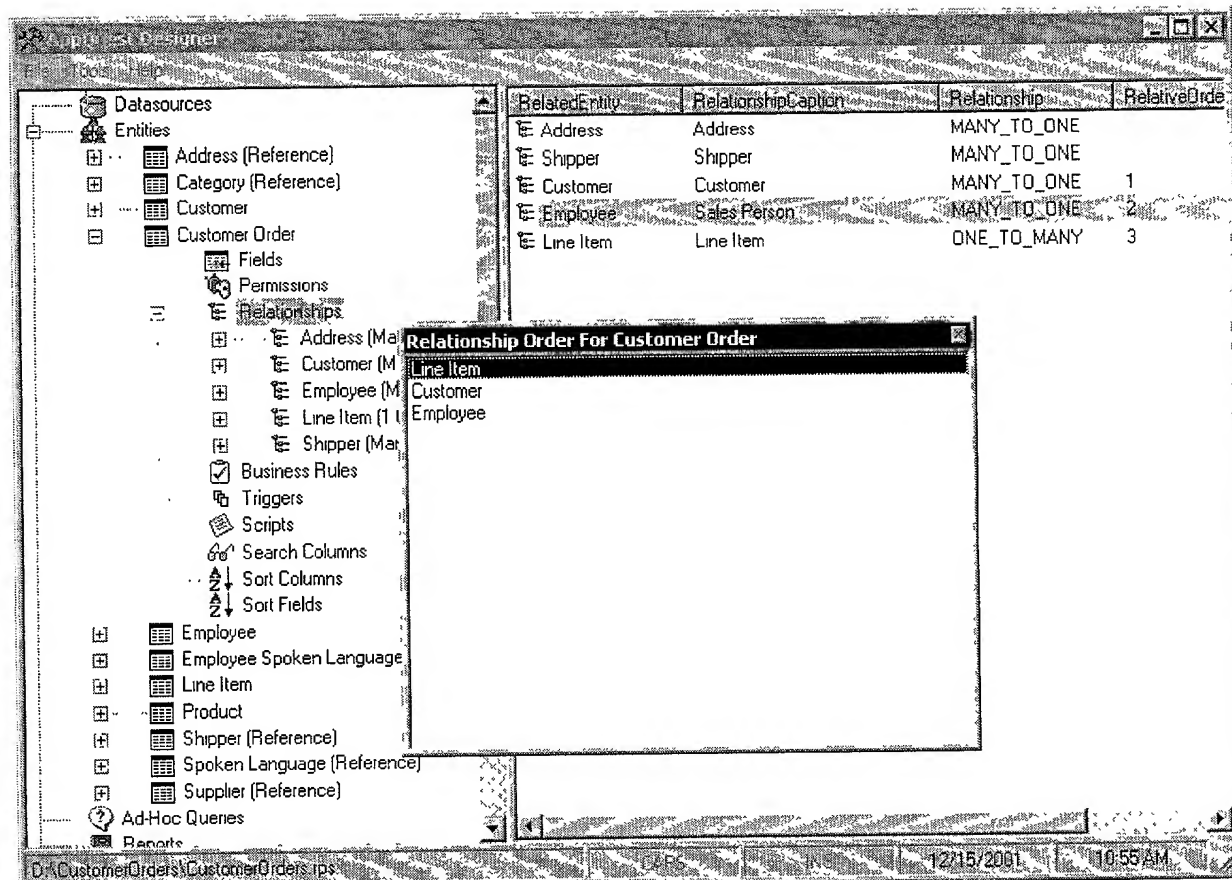


FIG. 67



Relationship Properties - CUSTOMER\_ORDER.EMPLOYEE

General

Attributes

Relationship Caption

Sales Person

Table Name

CUSTOMER\_ORDER

Field Name

SALES\_PERSON\_ID

Related Table Name

EMPLOYEE

Related Field Name

EMPLOYEE\_ID

Relationship Type

MANY\_TO\_ONE

Relative Order

2

☐ Required

☐ Display On Tab

☒ Visible

OK

Cancel

FIG. 68

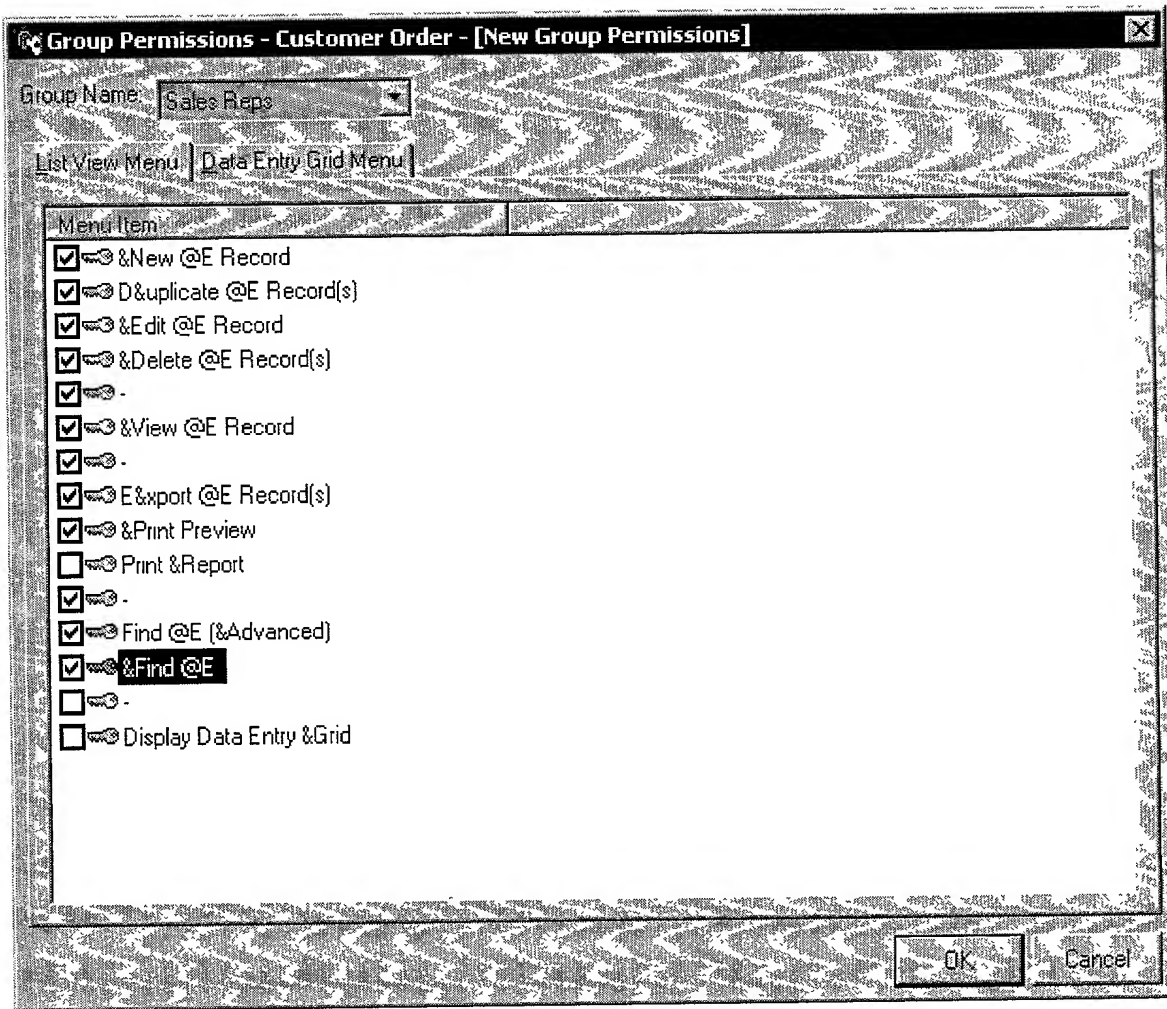


FIG. 69

**Relationship Properties - CUSTOMER\_ORDER.LINE\_ITEM**

General | Attributes

Relationship Caption: Line Item

Table Name: CUSTOMER\_ORDER

Field Name: CUSTOMER\_ORDER\_ID

Related Table Name: LINE\_ITEM

Related Field Name: CUSTOMER\_ORDER\_ID

Relationship Type: ONE\_TO\_MANY

Relative Order: 1

☐ Required

☒ Display On Tab

☒ Visible

OK Cancel

FIG. 70

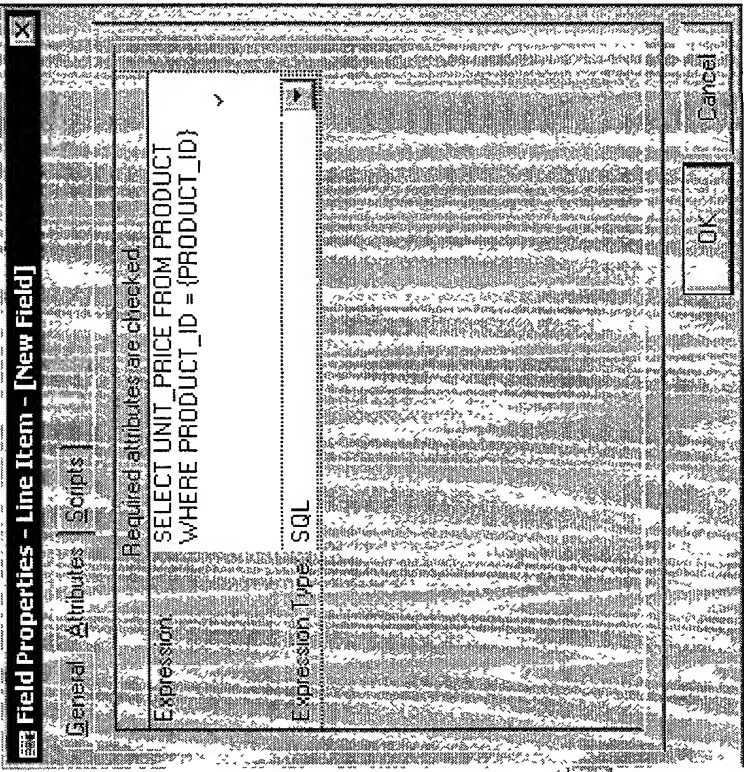
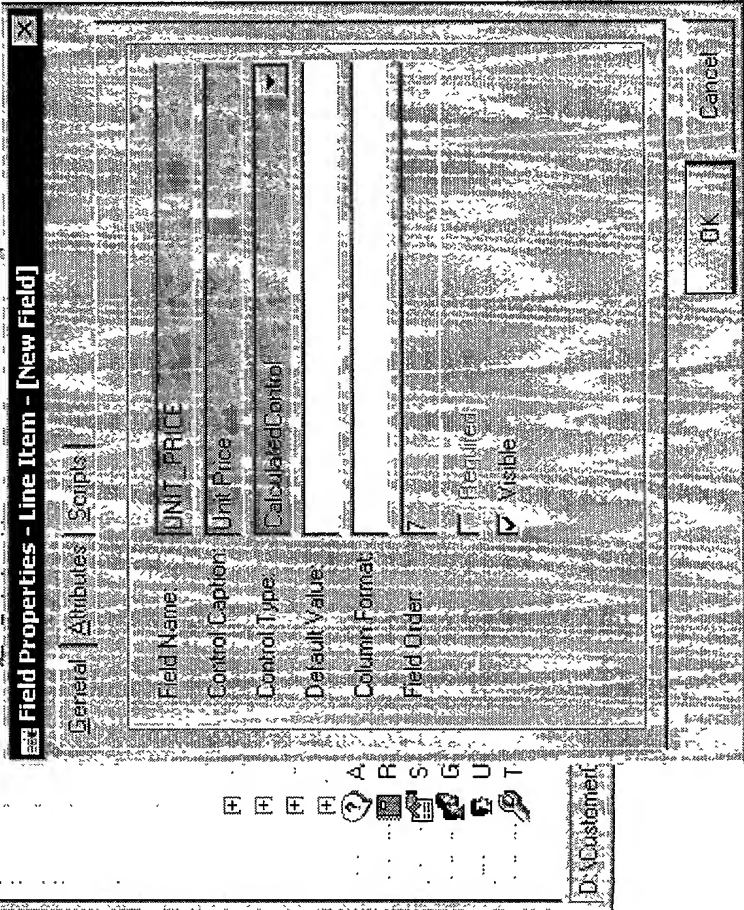
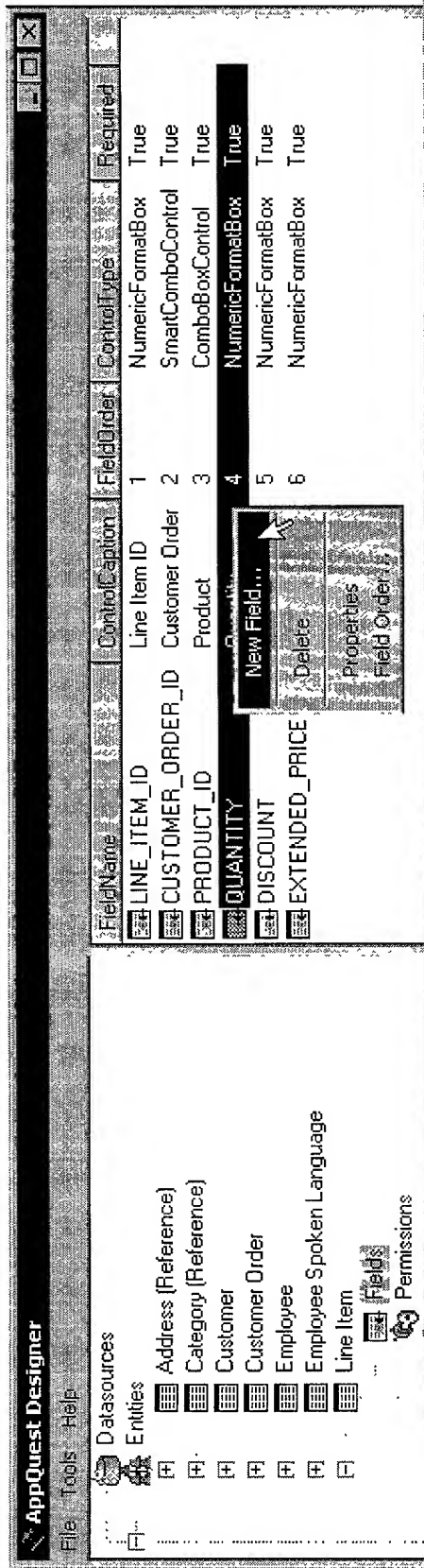


FIG. 71



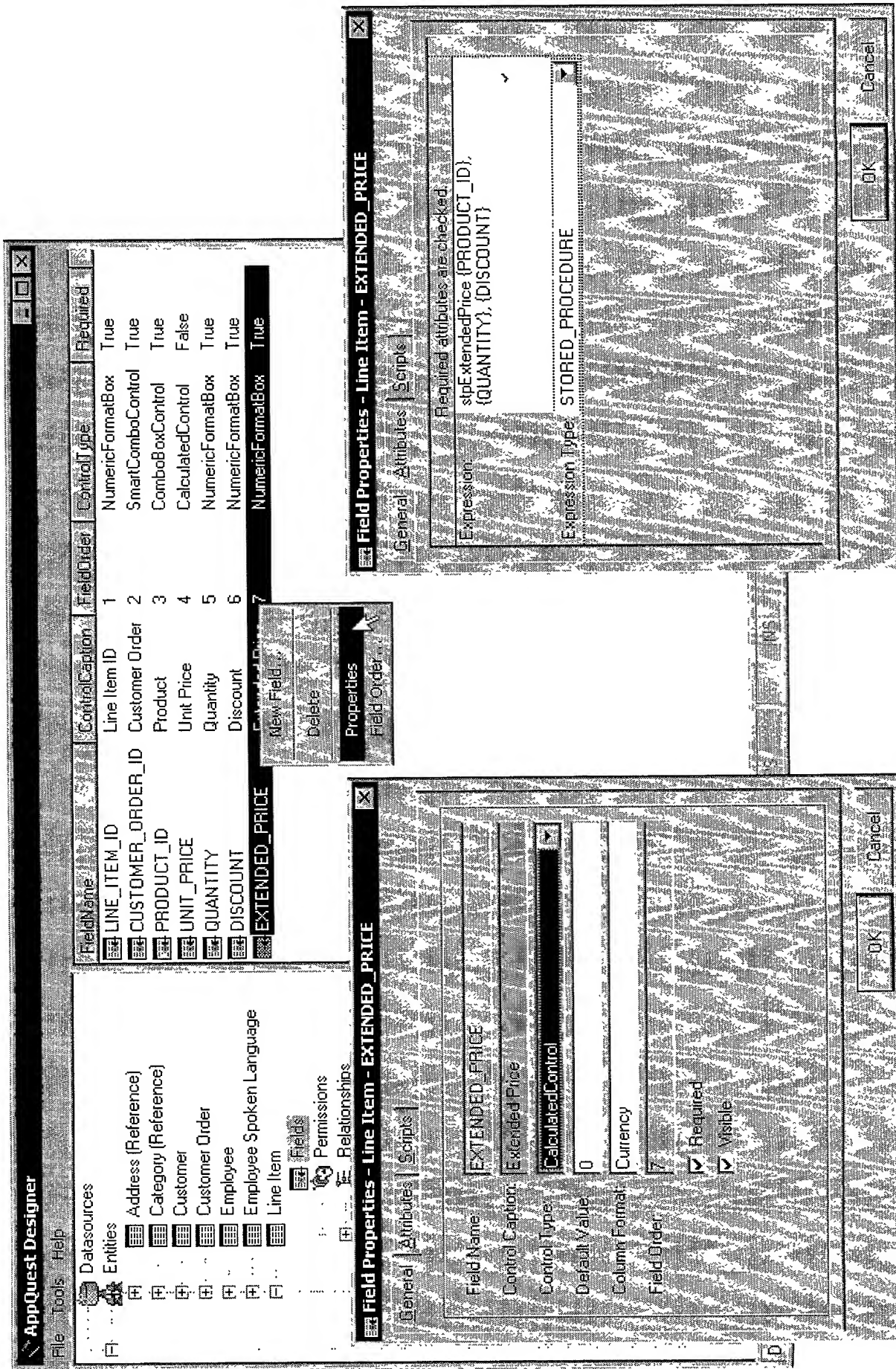


FIG. 72



1004051.12301

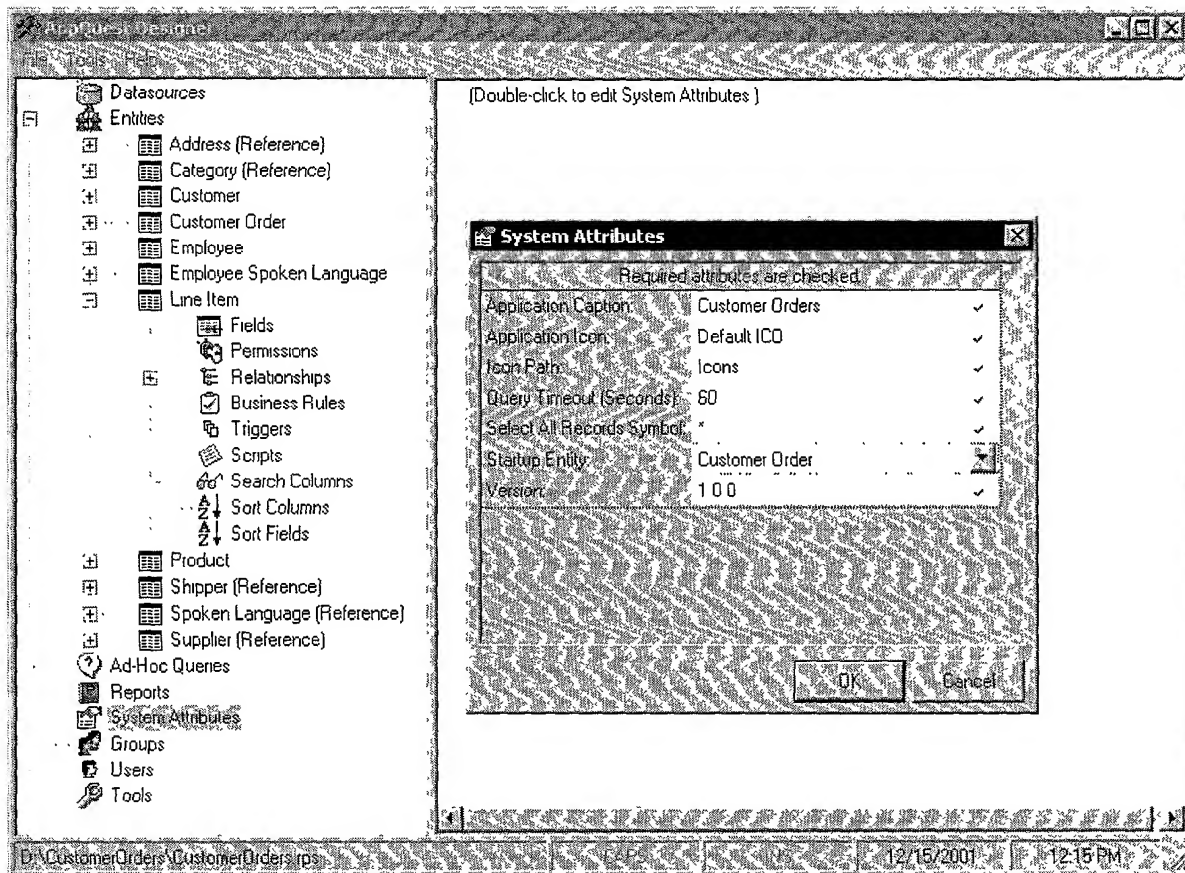


FIG. 73

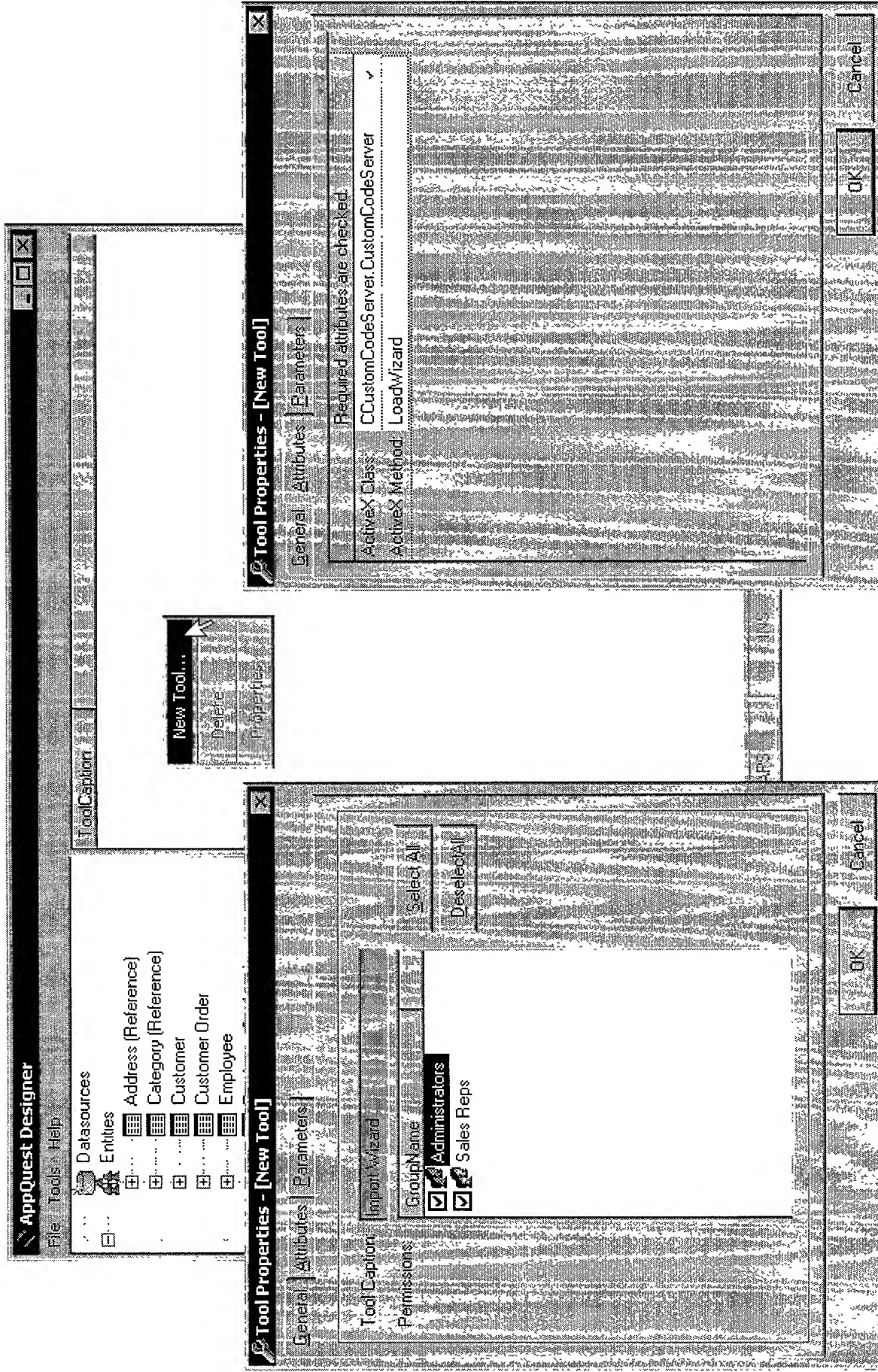


FIG. 74

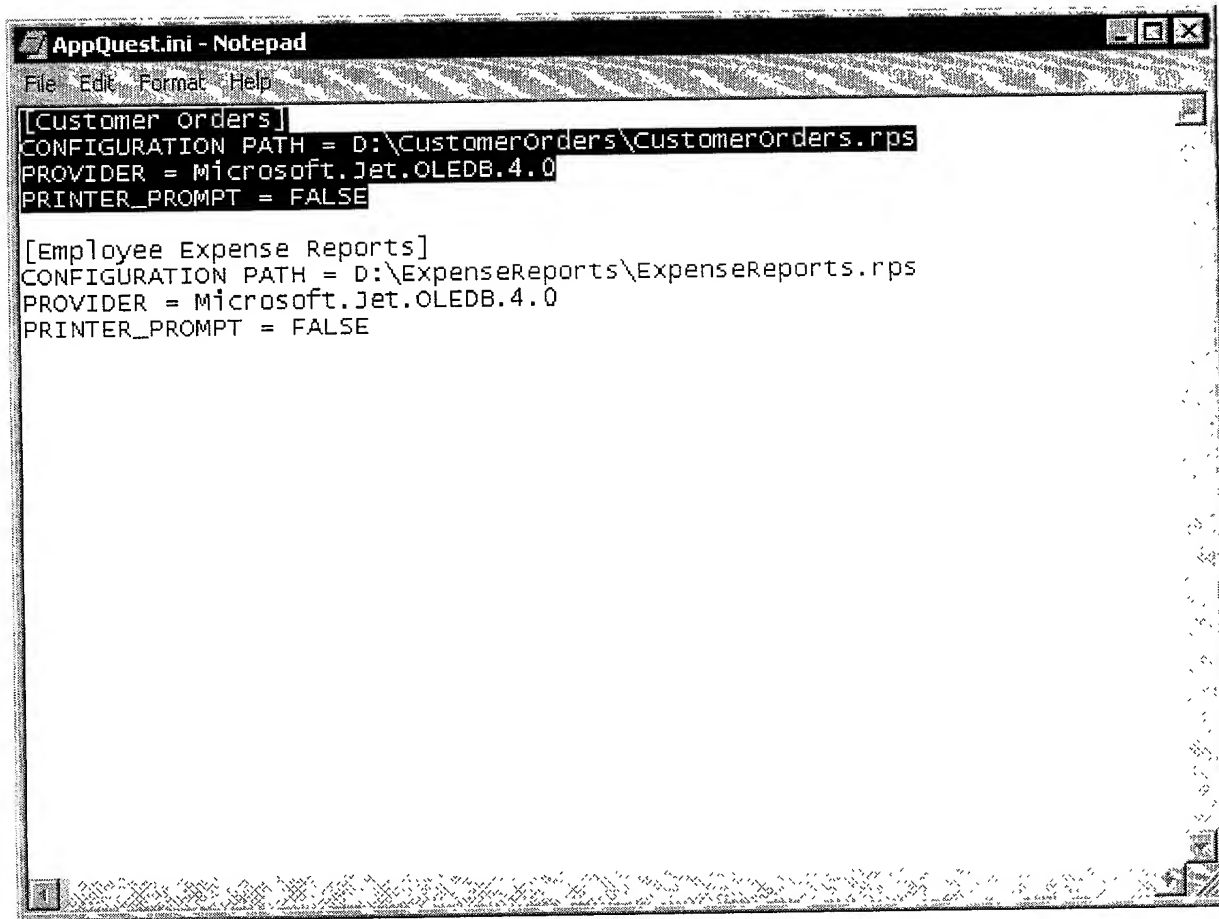


FIG. 75

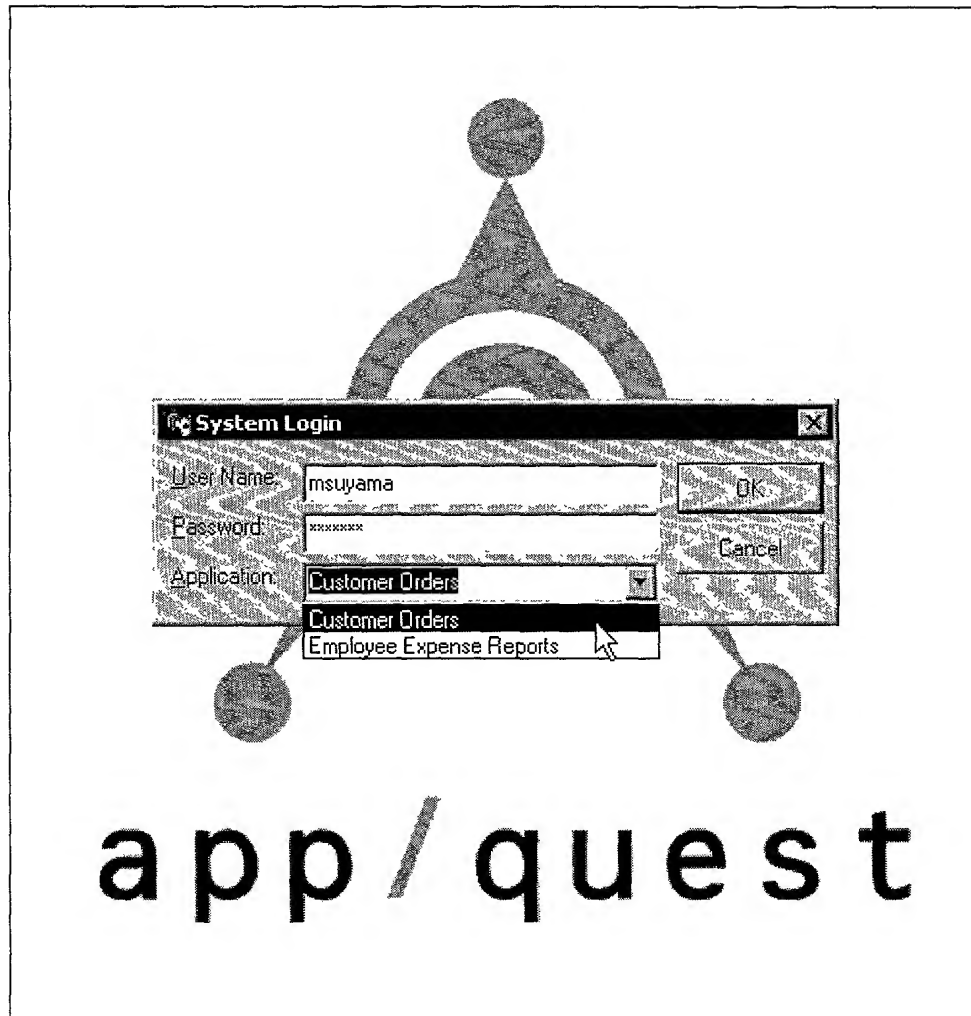


FIG. 76

**Customer Orders**

File Tools Window Help

Change Password... Import Wizard...

er Order

You may search on any column with an eyeglass icon. To select all records, type the wildcard: \*

OrderNumber	CustomerName	SalesPerson	OrderDate	ShippedDate	ShipperName	Freight	ShipAddress	ShipCity
10105	Käseladen	Fuller, Andrew	4/14/1998	4/16/1998	United Package	\$43.30	Mehrheimerstr 369 Köln	
10106	Käseladen	Suyama, Michael	4/3/1998	4/10/1998	United Package	\$96.35	Mehrheimerstr 369 Köln	
10107	Käseladen	Suyama, Michael	1/15/1998	1/23/1998	United Package	\$71.49	Mehrheimerstr 369 Köln	
10108	Käseladen	Peacock, Margaret	12/5/1997	12/9/1997	Speedy Express	\$157.55	Mehrheimerstr 369 Köln	
10109	Käseladen	Leverling, Janet	9/26/1997	9/30/1997	Speedy Express	\$145.63	Mehrheimerstr 369 Köln	
10110	Käseladen	Peacock, Margaret	6/26/1997	7/1/1997	Federal Shipping	\$75.89	Mehrheimerstr 369 Köln	
10111	Käseladen	Peacock, Margaret	5/30/1997	6/5/1997	Federal Shipping	\$120.97	Mehrheimerstr 369 Köln	
10112	Käseladen	Devolio, Nancy	4/16/1997	5/13/1997	United Package	\$4.99	Mehrheimerstr 369 Köln	

Record: 1 of 10

Line Item	CustomerName	OrderNumber	ProductName	UnitPrice	Quantity	Discount	ExtendedPrice
Customer	Käseladen	11020	Ikura	\$31.00	24	0.15	\$632.40
Sales Person							

Record: 1 of 1

Found: 10

FIG. 77



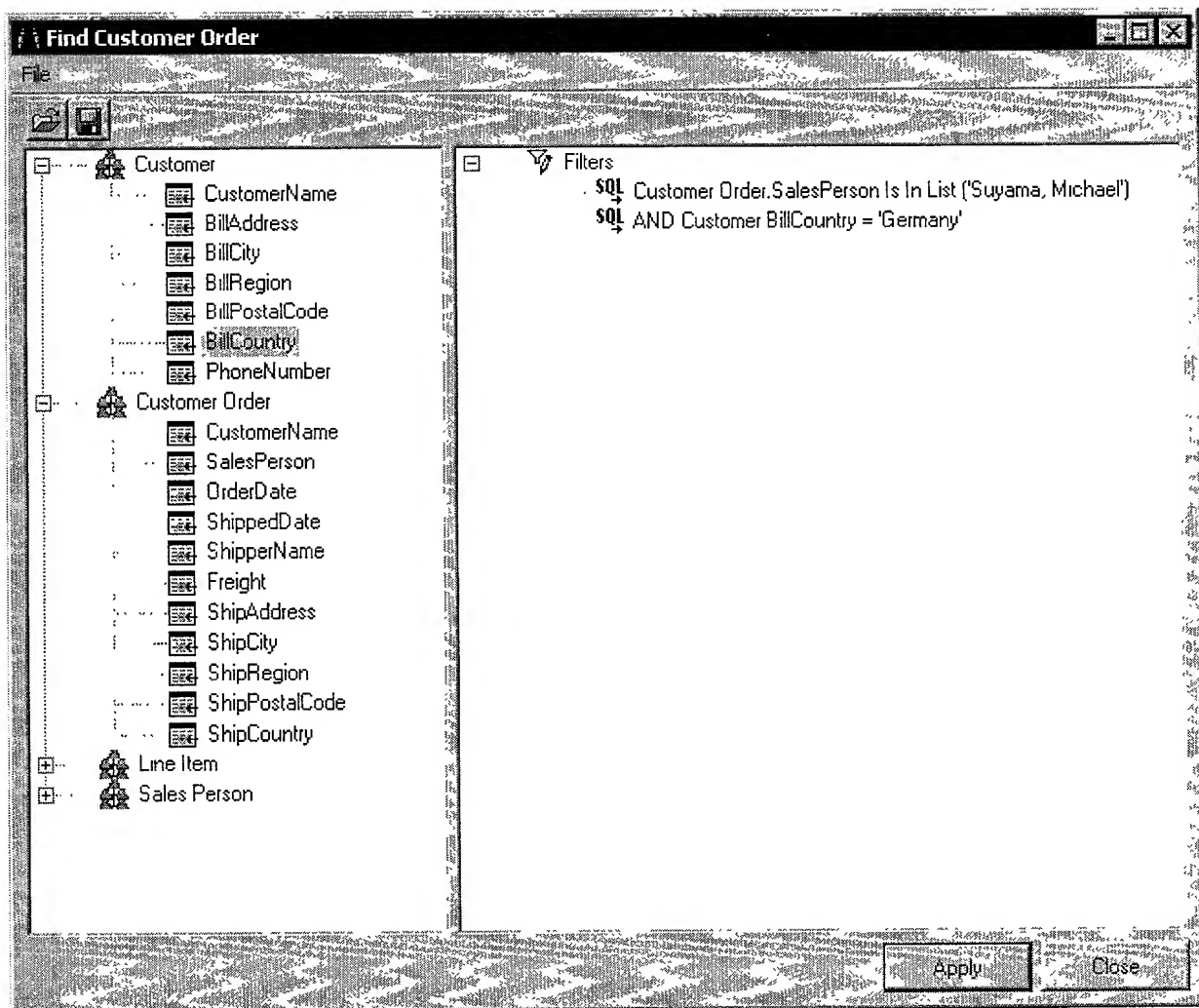


FIG. 78

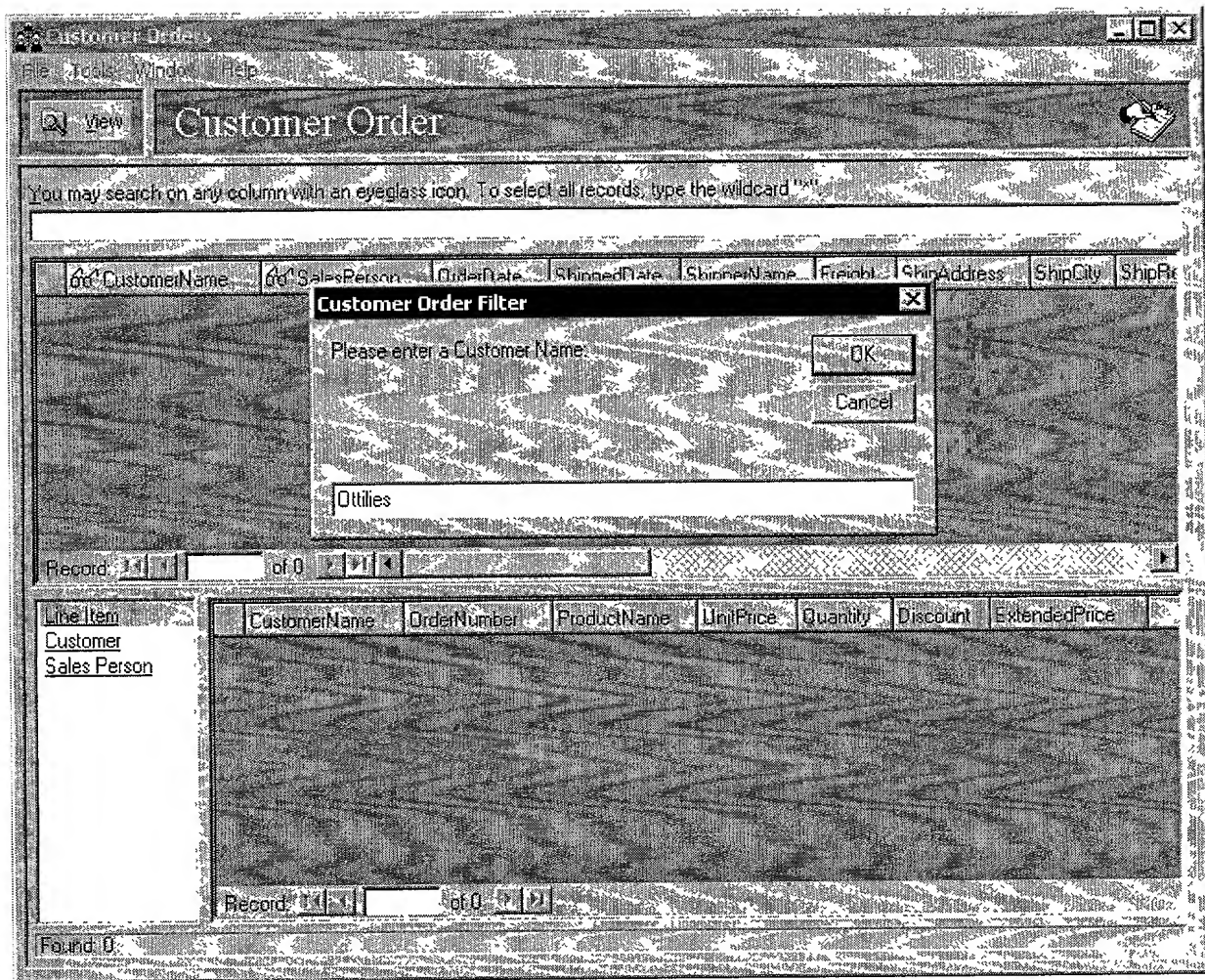


FIG. 79

**Customer Order Input - [New Record]**

File Edit View

General 1. Line Item Related Info

Required fields are checked.

Customer Order ID:	New Record
Customer:	ACME Grocery
Sales Person:	Suyama, Michael
Order Date:	12/15/2001
Shipped Date:	
Shipper:	National Transport
Freight:	\$33.75
Ship Address:	

OK Cancel

**Customer Order Input - [New Record]**

File Edit View

General 1. Line Item Related Info

Required fields are checked.

Customer Order ID:	New Record
Customer:	ACME Grocery
Sales Person:	Suyama, Michael
Order Date:	12/15/2001
Shipped Date:	
Shipper:	National Transport
Freight:	\$33.75
Ship Address:	Address: 2810 Milton Dr. City: Albuquerque Region: NM PostalCode: 87110 Country: USA

OK Cancel

**Address**

File

Enter your search criteria below. You may search on any field.  
To select all records, type the wildcard (\*)

Albuquerque

Find Clear

Address	City	Region	PostalCode	Country
2817 Milton Dr.	Albuquerque	NM	87110	USA
13015 Sandia Point NE	Albuquerque	NM	87111	Bernalillo
2810 Milton Dr.	Albuquerque	NM	87110	USA

record 14 of 3  
und 3

OK Cancel

FIG. 80



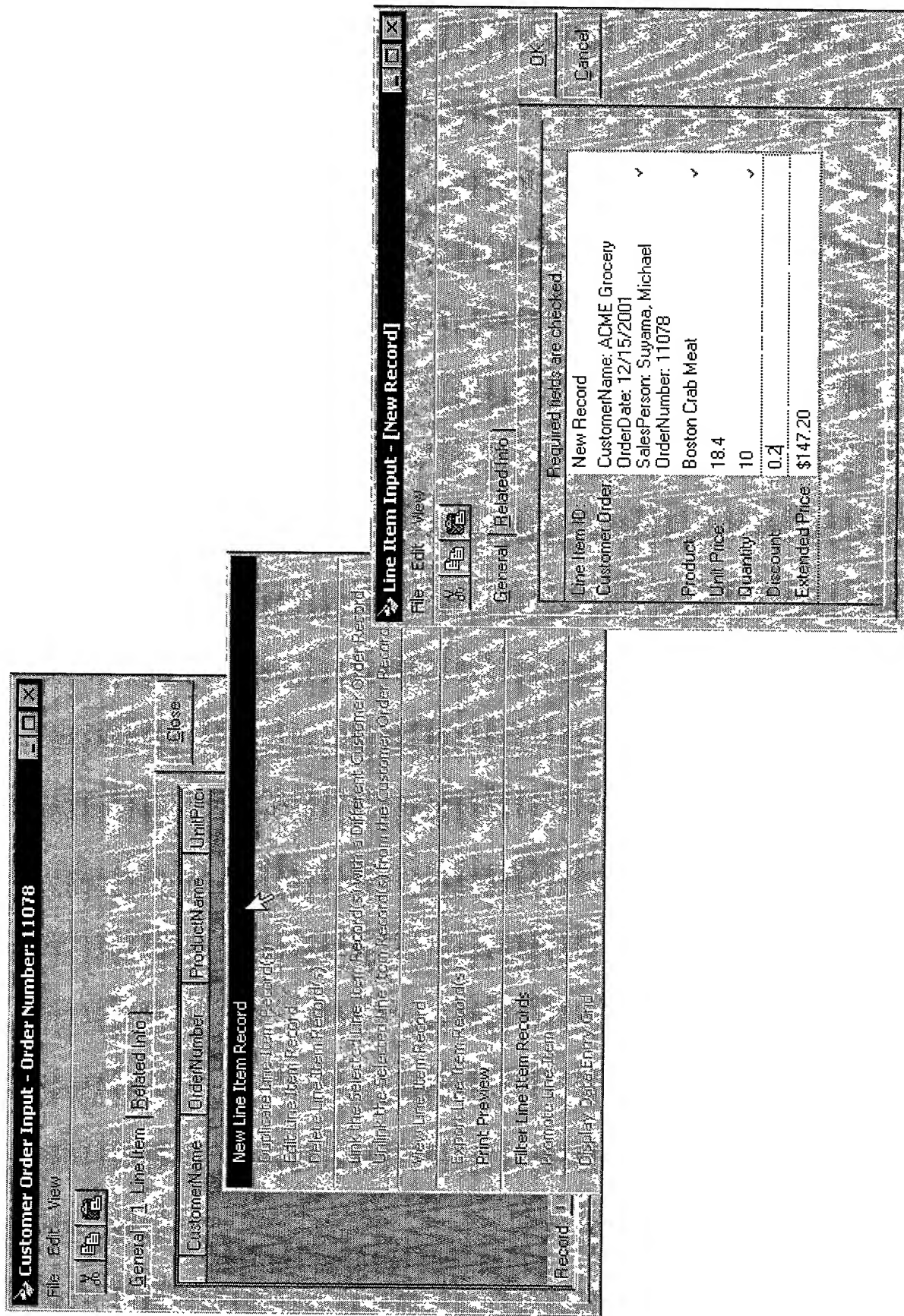


FIG. 81

Customer Orders

File Tools Window Help

Customer Order

View

You may search on any column with an eyeglass icon. To select all records, type acm

CustomerName	SalesPerson	OrderDate	ShippedDate
ACME Grocery	Suyama, Michael	12/15/2001	
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996

Record: 1 of 2

Line Item  
Customer  
Sales Person

EmployeeName	SSN	DOB	HireDate
Suyama, Michael	585-35-1282	7/21/1963	10/17/1996

Record: 1 of 1

New Sales Person Record  
Duplicate Sales Person Record  
Edit Sales Person Record  
Delete Sales Person Record  
Link the Customer Order Record with a Different Sales Person Record  
Unlink the Customer Order Record from the Selected Sales Person Record  
View Sales Person Record  
Export Sales Person Record(s)  
Print Preview  
Promote Sales Person  
Display Data Entry Grid

Found: 2

Employee

File

You may search on any column with an eyeglass icon. To select all records, type the wildcard

EmployeeName	SSN	DOB	HireDate	Manager	HomePhoneNum
Suyama, Michael	585-35-1282	7/21/1963	10/17/1996	Buchanan, Steven	(711) 555-7773

Record: 1 of 1

Customer Order  
Spoken Language

CustomerName	SalesPerson	OrderDate	ShippedDate
ACME Grocery	Suyama, Michael	12/15/2001	
ACME Grocery	Suyama, Michael	11/15/1996	11/20/1996
Alfreds Futterkiste	Suyama, Michael	8/25/1997	9/2/1997
B's Beverages	Suyama, Michael	7/15/1997	7/21/1997

Record: 1 of 58

Found: 1

FIG. 82



**Employee**

File

You may search on any column with an eyeglass icon. To select all records, type the wildcard "\*" in the search box.

EmployeeName	SSN	DOB	HireDate	Manager	HomePhoneNur
Suyama, Michael	585-35-1292	7/27/1963	10/17/1993	Buchanan, Steven	(714) 555-7773

Record 1 of 1

Customer Order  
Spoken Language

CustomerName SalesPerson OrderDate Shipper

ACME Inc. Suyama, Michael 12/15/2001

New Customer Order Record

Duplicate Customer Order Record(s)

Edit Customer Order Record

Delete Customer Order Record(s)

Unlink the selected Customer Order Record(s) with a different Customer Order Record

Unlink the selected Customer Order Record(s) from the Employee

View Customer Order Record

Export Customer Order Record(s)

Print Preview

Filter Customer Order Records

Promote Customer Order

Display Data Entry Field

Record 1

**Customer Order Input - [New Record]**

File Edit View

General 1 Line Item Related Info

Required fields are checked.

Customer Order ID: New Record

Customer: Suyama, Michael

Sales Person: Suyama, Michael

Order Date:

Shipped Date:

Shipper:

Freight: \$0.00

Ship Address:

OK Cancel

FIG. 83

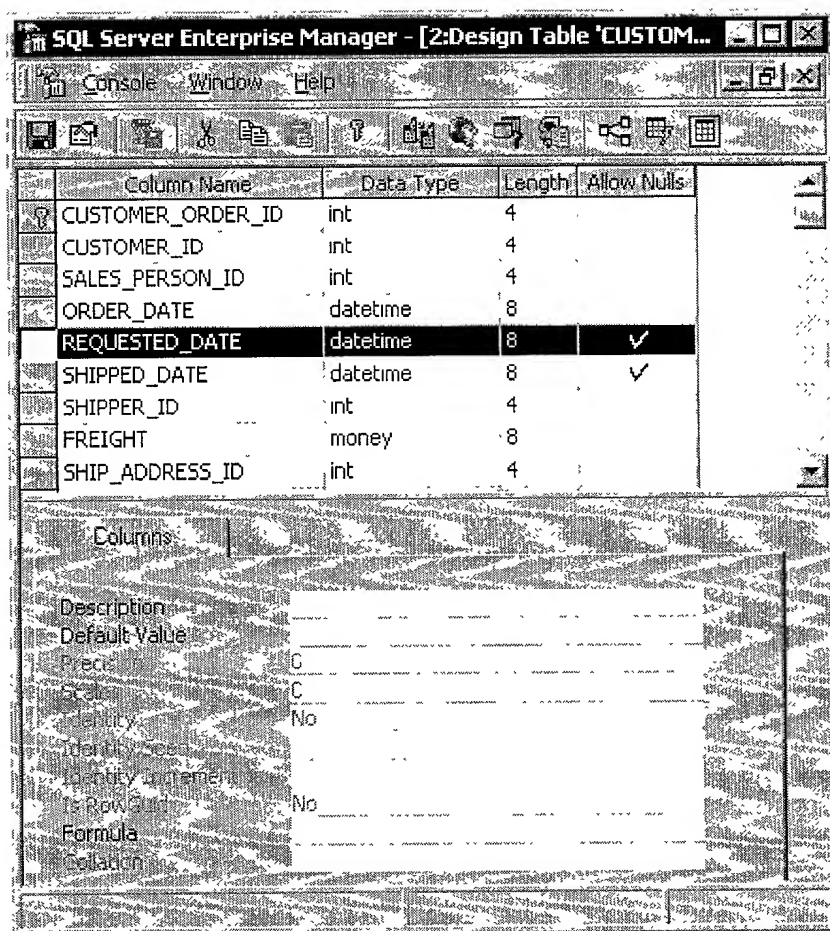


FIG. 84

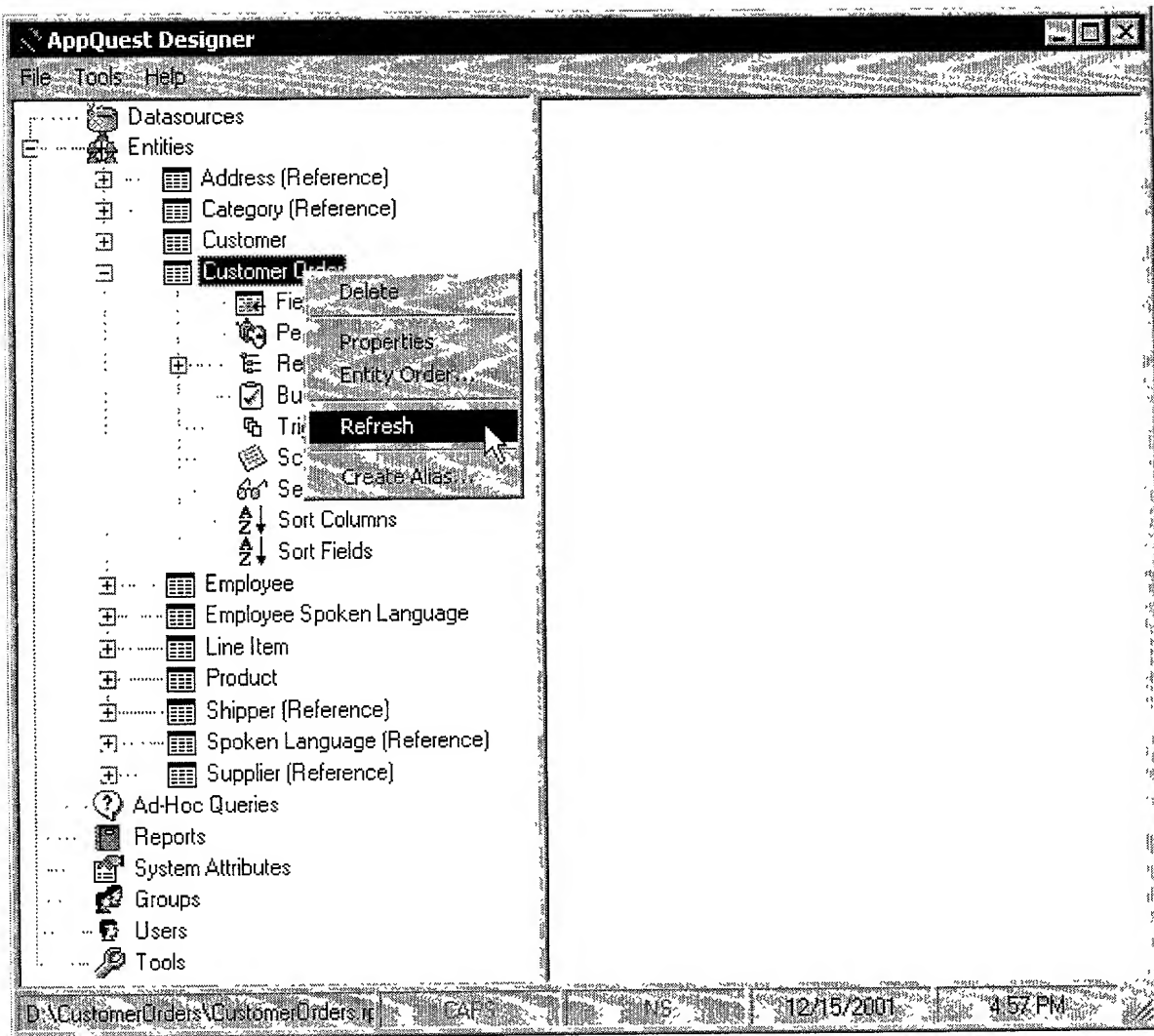


FIG. 85

**Customer Order Input - Order Number: 11078**

File Edit View

General 1 Line Item Related Info

Required fields are checked

Customer Order ID: 11078

Customer: ACME Grocery ✓

Sales Person: Suyama, Michael ✓

Order Date: 12/15/2001 ✓

Requested Date:

Shipped Date:

Shipper: Nation

Freight: \$33.75

Ship Address: Address

City: Al

Region

Postal

Country

December 2001

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Today None

OK Cancel

FIG. 86